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61ST Year

Vaughan's Gardening Illustrated

1937



62-23

MARIGOLD
3140 Vaughan's New
Chrysanthemum
Flowered Hybrids
Pkt., 25c; 3 for 65c.
(See Page 5)

CHICAGO
10 W. Randolph St.
NEW YORK
47 Barclay St.



MAMMOTH WHITE



MRS. VON KONYNENBURG



RED PHIPPS



PRIMROSE PRINCESS



BAGDAD

Vaughan's Famous Rainbow Garden of Gladioli

One hundred flowering size bulbs, ten each of the ten outstanding varieties illustrated on this page. Each variety separately bagged and labeled. Prepaid 600 miles for \$2.00.

The reproductions on this page are made by direct color photography, not of exceptional specimens, but of average flowers, reproduced on the same scale of reduction, exactly one-fifth life size. For price on each variety see Gladiolus Pages.



DR. F. E. BENNETT



MINUET



PICARDY



BETTY NUTHALL



MRS. LEON DOUGLAS

Vaughan's Famous Rainbow Garden of Gladioli

Ten Each of Ten Giant Flowered

Varieties Each Separately

Bagged and Labeled. Illus-

trated in Color on Opposite

← **Cover.**

\$2

**100 Bulbs Prepaid
600 Miles for . . .**

Being the largest growers of gladioli in the world, we take especial pride in offering, as the dominant value in our annual catalog, the best collection of gladioli it is possible to buy for \$2.

Only those who are familiar with gladioli will realize what a value this is. Each of the ten varieties is recognized by fanciers as among the very finest in its color. With this collection, for a fraction of what one single bulb of any one of these varieties would have cost a short time ago, you will have a gladiolus garden which few can equal.

Read what our customers have said, in the extracts from their letters which are published on this page. They tell you better than we can, what glorious flowers these are.

The bulbs in this collection are not first size, but they are of flowering size; they are the kind we use in growing exhibition flowers. They take a little longer to bloom than large bulbs do, but the size and quality of the flowers, and the crop of bulbs produced for your next year's planting, are equal to the products of the largest bulbs.

Do not confuse this collection with usual mixtures and special offers, which are planned to clear out unwanted varieties. Our Rainbow Garden of Gladioli is our featured leader, carefully planned and prepared for a year in advance, with the intention of placing before our customers, at a popular price, a group of the finest varieties which plant breeders have produced.

What 1936 Buyers Say

We always have beautiful flowers from your seed. We got the Rainbow Collection of Gladioli among other things, and the results were beyond our belief. We were delighted with everything.
Raymond Brunke, St. Joseph, Mich.

We took advantage of your Rainbow Collection of Gladioli and were more than pleased. We had the largest and most beautiful glads we had ever raised and none of our friends who raise glads had any half so nice as ours.
Richard Pedersen, Caldwell, Idaho.

Your Rainbow Gladiolus Collection is a truly remarkable value. My Mrs. Leon Douglas grew to a height of 5 ft. 7 in. and was a beautiful specimen.
K. C. Foster, Kansett, Ark.

I want to tell you that I have raised gladioli ever since I was a young girl, but I never had such large and beautiful ones as those I received from you.
Mrs. Annie M. S. Rogers, Salisbury Beach, Mass.

I ordered and planted your Rainbow Collection of Gladioli, and I have the only successful gladiolus bed this year in a flower loving neighborhood. George M. Vaughan, Rockford, Ill.

The gladioli that I purchased from you were perfectly beautiful. Quite a few of my friends asked for your address so that they might purchase bulbs also. I have never seen such beautiful flowers as they bore. Margaret Godfrey, Arabi, Louisiana.

I was well pleased with the gladioli I received from you. Every body admired them. They were the most beautiful ones in town.
Mrs. George Fritsch, Mosinee, Wis.

Your seed of last spring gave perfect satisfaction and your gladioli were magnificent. Our town florist was here when they were in full bloom and told me of all the flowers he had handled he had never seen anything to equal them. Wonderful.
J. R. Davies, Rocky River, Ohio.

TEN EACH OF THESE TEN VARIETIES.

(Illustrated in color on cover opposite)

PICARDY. Still undisputed champion of all. Huge spike, with immense florets, often ten open at once. Petals of waxy substance, slightly ruffled of apricot pink.

BETTY NUTHALL. An outstanding prize winner. Four feet tall, with giant flowers, coral with pale orange throat, feathering of carmine.

DR. F. E. BENNETT. One of the most consistent ribbon winners among the scarlets. Scarlet throat stippled with ruby and white. Tall, straight, many flowers open at once, vigorous grower.

MINUET. True orchid coloring, giant flower, tall spike, vigorous grower, unquestioned leader of its color.

MAMMOTH WHITE. Largest of whites, a perfect exhibition flower, with blossoms of gardenia texture.

BAGDAD. A lovely old rose of the stippled effect described as "smoky," a giant flower and most vigorous grower, unrivaled in the smoky class.

PRIMROSE PRINCESS. Tall, with giant flowers of light primrose yellow, best of the light yellows.

MRS. VON KONYNENBURG. Violet, a near approach to blue. A robust grower tall and strong, with six to seven flowers open at a time.

RED PHIPPS. A vividly scarlet flower with large florets, opening in a plume of color resembling its famous pink namesake, W. H. Phipps.

MRS. LEON DOUGLAS. Huge, bright salmon-pink flowers. Often 5 feet tall and probably the largest of all gladioli.

After April 1st it may be necessary to change this collection

Six Hybrid Tea Roses \$3⁵⁰

2 Year Dormant, Our Selection, (Value \$4.00) Prepaid 300 Miles for



MRS. E. PEMBROKE THOM

2 Year Pot Plants (Value \$5.10) \$4.65

Shipped By Express Collect

GREAT improvements are being made in roses. New varieties excel in vigor, productiveness and resistance to disease, as well as in color and size.

This offer includes new varieties which have been thoroughly tested and some of the older ones which cannot be spared from the garden.

Twelve Hybrid Tea Roses \$5.95

2 Yr. Dormant (Value \$8.10) Prepaid for 300 Miles

2 Year Pot Plants (Value \$10.50) \$8.40

Shipped by Express Collect.



TALISMAN

VARIETIES INCLUDED IN ABOVE OFFERS

BETTY UPRICHARD. "If I had room for only one rose in my garden, it would be Betty Uprichard"—such is the enthusiasm of one great rose lover for this vigorous, very fragrant rose. Pointed copper-red buds, opening, reveal petals of soft salmon-pink which, in full bloom, contrast prettily with a reverse of orange-carmine. The profusion with which these blooms are produced makes this a popular variety for mass plantings. Dormant plants, 65c; pot plants, 85c.

DAME EDITH HELEN. Though there are many fine pink roses, this one remains a leader. Blooms are of magnificent size and substance on bushes of vigorous upright growth. It is extremely double and high centered with broad petals that curl back luxuriously. Dormant plants, 65c; pot plants, 85c.

ETOILE DE HOLLANDE. A brilliant dark red rose of magnificent size and perfect form. Vigorous grower; heavy bloomer; flowers deliciously fragrant and beautiful in all stages of development. A rose that has no serious faults and is one of the world's finest. Dormant plants, 75c; pot plants, 95c.

JOANNA HILL. A new creamy-yellow rose with an orange heart. Vigorous in growth, its blooms are borne singly on long, strong stems. The buds are large and long pointed. A great bedding rose. Dormant plants, 75c; pot plants, 95c.

MARGARET McGREDY. The double, cup-shaped flowers open a rich Oriental red and turn to a unique shade of soft orange scarlet. Vigorous, free blooming, one of the finest introduced in recent years. Dormant plants, 65c; pot plants, 85c.

MRS. ERSKINE PEMBROKE THOM. An unfading yellow with dark healthy foliage. Slender yellow buds opening to canary yellow. Dormant plants, 65c; pot plants, 85c.

MME. BUTTERFLY. This rose should be in every collection, large or small. Time has proved its dependability and endeared it to the hearts of all. Light pink petals with deep shadings of apricot and gold at its heart and petal lips of ivory white. Dormant plants, 65c; pot plants, 85c.

MME. JULES BOUCHE. Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. Plant exceptionally strong and continuously in bloom. The best white rose for quantity of bloom. Dormant plants, 65c; pot plants, 85c.

PRESIDENT HERBERT HOOVER. For a vigorous rose producing fine large flowers on long stems, this variety is unexcelled. Its deep copper red buds open slowly to a wonderful blend which can only be described as multi-colored with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems—in fact every detail of this excellent rose adds to the beauty that had made it so popular. Dormant plants, 75c; pot plants, 95c.

RADIANCE. Brilliant rosy carmine, shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer. Dormant plants, 65c; pot plants, 85c.

RED RADIANCE. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. A fine variety for outdoor planting. Dormant plants, 65c; pot plants, 85c.

TALISMAN. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The outside of the petals is bright yellow, gold and pink; unfolding they become bright apricot, gold and deep rose pink. Dormant plants, 65c; pot plants, 85c.

After April 15th it may be necessary to change this collection.



DAME EDITH HELEN



JOANNA HILL



MME. BUTTERFLY



RADIANCE

CAVALCADE and 7 other Champions

EIGHT GIANT DAHLIAS OF RAINBOW COLORS \$3.60



Cavalcade, 1936 Introduction, giant old rose formal decorative, a splendid show variety. Each, \$2.00.

LARGEST of flowers grown in gardens, the modern giant dahlias have become without question the most popular flowers among American amateurs. Their huge size, which commands attention whether in the garden or in the exhibition hall, is attained without sacrificing delicacy and beauty.

YOU CAN GROW THEM! We provide directions with each order which will enable any conscientious amateur to produce flowers of exhibition quality.

Our dahlia collections of the last three years have been amazing values; but this year we have surpassed them. The collection headed by Cavalcade gives you a display which few gardens can equal. The crop of tubers will be worth many times the cost of the collection.

For beginners, the set of ten for \$2 is recommended. Each is of front rank in its color class. The fact that they have maintained their popularity for several years is proof of their merit, while at the same time it enables us to offer them at a lower price. You will want to keep them in your collection.

If you do not grow dahlias, why wait longer? You are missing one of the most delightful experiences of gardening.

CAVALCADE (F. D.) Beautiful old rose and mulberry pink. One of the best cut-flower varieties with 7 to 9-inch blooms on perfect stems. A variety similar in habit of growth and stem to Jersey's Beauty but larger and several shades darker. Each, \$2.00.

CITY OF WELLSTON (F. D.) Rhodamine purple. Easily one of the most beautiful Dahlias in the garden. Flowers of large size and perfect quality on long straight stems. An early and prolific bloomer and blooms continuously until frost. A strong healthy grower with flowers unexcelled for cutting. Each, 50c.

WHITE KING (F. D.) A pure white, large flowering dahlia of beautiful form and substance. Free flowering on long stems. Splendid for garden cutting or for exhibition. Each, 35c.

JAMES KIRBY (I. D.) A rich crimson of dazzling brilliance which does not fade or burn in the sun. The plant is sturdy and its clean-cut foliage affords a pleasing contrast to the beautiful blooms. It has proved its worth for a cut flower as well as exhibition. Each, \$1.00.

GOLDEN ECLIPSE (F. D.) A large formal decorative of golden yellow shading to a center of warm salmon or flesh color. A vigorous grower, height up to 5 feet and flowering habit good. Exhibition blooms may be cut with stems 3 to 4 feet long. This variety was on the Honor Roll in 1932-33 and we recommend it for both exhibition and as a cut flower. Ea., \$1.00.

KENTUCKY (F. D.) A brilliant salmon-orange shading to grenadine-pink on outer petals. A sport of Jersey's Beauty, of the same characteristics and a stronger grower. Good for cutting. Each, 50c.

SUPREME KING (F. D.) A bright, pleasing American Beauty Rose. Of good substance and good keeper. Excellent plant, growth free. Flowers 10 inches across. Stems perfect. Each, \$1.00.

W. H. T. (F. D.) This Dahlia always commands instant attention due to its unusual coloring of rich old rose with mauve shading on reverse. A long stemmed variety of perfect petal formation and healthy growing habits. A most pleasant and desirable dahlia that we heartily recommend. Each, 50c.

TEN PRIZE WINNING GIANTS \$2.00

Catalog Value \$5.70.

Prepaid 500 miles.

AVALON (I. D.) Yellow. Each, 35c.

JERSEY'S BEAUTY (F.D.) Pink. Ea., 35c.

BARBARA REDFERN (F. D.) Rose and gold. Each, 35c.

JOSEPHINE G. (S. C.) Pink and yellow. Each, 50c.

DR. JOHN H. CARMAN (F. D.) Tyrian rose. Each, 50c.

MONMOUTH CHAMPION (F.D.) Orange. Each, 35c.

JANE COWL (I.D.) Buff and gold. Ea., 35c.

MRS. IDE VER WARNER (F.D.) Mauve-pink. Each, 25c.

JERSEY'S BEACON (F. D.) Scarlet. Each, 35c.

ROSE FALLON (F.D.) Orange. Each, 35c.
See Complete Descriptions Pages 89-91.

IMPORTANT—After April 1st it may be necessary to change this collection. Order early to insure receiving above varieties.

Mr. Cropp's Selections for the 1937 Flower Garden

CARL CROPP, vice president of Vaughan's Seed Store, and manager of our flower seed department since it was organized, has a comprehensive acquaintance with flowers the world over. It is not every man whose business life is so happily arranged as to allow him to deal with materials which at the same time provide his greatest pleasure. But Mr. Cropp, as his friends will testify, not only knows flowers, but loves them. His judgment, therefore, is at once that of an expert and enthusiast.

He has often remarked on the number of flowers, not necessarily new, but of great beauty and well fitted for garden effects, which were relatively unused by gardeners. We asked him to make for this page a selection of varieties including some of these older, and less known kinds, and some of the newer introductions, which he would especially recommend for the flower borders of 1937. Here are his selections, all flowers that can be grown from seed, and all listed on the regular pages of this catalog.



Carl Cropp, vice president of Vaughan's Seed Store, rating entries in the 1937 All-America trials of which he is one of the Board of Judges. To right, view of Vaughan's flower seed trials at Western Springs, Ill. Visitors are welcome. 1937 location: W. 47th Street and Willow Springs Road.

CALENDULA

Orange Sunshine. If you like *Calendula Chrysanth*, the yellow Sunshine, you will like this deep orange variety even more. It has the same loose petaled flower, but much more vivid color. No. 1195. Pkt., 25c.

Graciella Hybrids. The first dwarf calendula, 12 inches tall, giving a new subject for the foreground of the border, or for beds. The flowers of medium size vary from pale yellow to bright orange and bloom in seven weeks from seed. No. 1201. Pkt., 20c.

CUPHEA

Firefly (Cigar Plant). Semi-dwarf, compact, the scarlet flowers of this new subject spread a sheet of color over 12 inches. It grows easily from seed in five months. No. 1999. Pkt., 25c.

COSMOS

Sensation. This giant flowered early strain, with flowers even larger than the late, has been selected to produce tall plants, reaching four feet. This gives a summer effect fully equal to the late varieties, which seldom flower before frost in the northern states. The seed we are offering is a "special selection." No. 1966. Pkt., 25c.

DAHLIA

Unwin's Dwarf Hybrids. Interest in dahlias for beds and borders is growing. This strain, quickly grown from seeds, excels most named varieties of border type. Semi-double flowers, 2 to 3 inches, are abundant on bushy plants 2 to 3 feet tall, in lovely soft pink, lavender, red, orange, yellow and maroon. Flowering begins in mid-summer and continues with improving quality until frost. No. 2086. Pkt., 25c.

DELPHINIUM

Vetterle and Reinelt's Giant Blue Shades. We strongly recommend this well fixed strain of giant blue delphiniums. Florets 2 inches wide are usual, on five foot stems, slender and wiry, standing without stakes. The flowering spikes taper, flowers well spaced, 80% in lovely tones of blue, and the plants are mildew resistant. No. 7567. Pkt., \$1.00.

DIANTHUS

Double Sweet Wivelsfield. A further improvement on the original cross between *Dianthus Alwoodii* and *Sweet William*. Here the flowers are all double; they have brilliant colors and some have a honey fragrance. No. 2251. Pkt., 25c.

LILIUM

Formosanum Pure White (Dream Lily). Any careful amateur can grow lilies from seed by following our directions. This variety bears large flowers of the Easter Lily type, marked reddish brown on the backs of the reflexing petals. See Page 80 for others. No. 8161. Pkt., (250 seeds), 35c.

MARIGOLDS

Chrysanthemum Flowered Hybrids. As shown by our front cover, this strain brings to northern gardens a definitely new type of flower, never before available in an early flowering variety. No. 3140. Pkt., 25c.

Crown of Gold. The outstanding merit of this All-American Gold Medal winner is the absence of marigold odor from the foliage. Its flowers are faintly fragrant, like some others, but it alone has leaves completely free from the marigold scent. No. 3141. Pkt., 25c.

Harmony. This variety excels as a cut flower, where the novel "Scabiosa-like" form of its medium-size flowers and its lovely blen of golden center bordered with rich maroon can be admired at close range. No. 3174. Pkt., 15c.

Golden Eagle. A great improvement on Guinea Gold, of similar carnation form, but improved color and larger. It is a deep, luminous gold, comes all double, and is almost free from marigold odor. No. 3138. Pkt., 25c.

NIEREMBERGIA

Hippomanica. This is a lovely dwarf for edging, for the dry wall, stone steps, or paved terrace. It makes a cushion of foliage 4 to 6 inches high, covered with flowers of pale lavender with a yellow eye. No. 3411. Pkt., 25c.

PETUNIA

Celestial Rose. This is the finest rose variety, and has in superlative degree the two chief merits of its type: a deep, even, unfading color, of satiny sheen, and a dwarf, compact, uniform habit of growth. No. 4017. Pkt., 25c.

ICELAND POPPY

Amurensen Yellow Wonder. A new strain which midwestern gardeners will welcome, since it resists heat and drought. Its large buttercup yellow flowers are abundant on stems 25 inches long. No. 8281. Pkt., 25c.

Emperor. This is finest of the lovely hardy Iceland poppies, which bloom the first year from seed. It has larger flowers, grows taller, and the orange petals overlap, giving an effect of doubleness. No. 8293. Pkt., 25c.

RUNNERLESS STRAWBERRY

Baron Solemacher Yellow Fruited. This Alpine variety which grows quickly from seed to bearing size, and makes bushy plants without runners, bears fruit of fair size and unmatched "wild" flavor. The yellow strain is even more delicious than the red. No. 4829. Pkt., 25c.

ZINNIA

Spun Gold. On dwarf, bushy plants, 2 to 3-inch double flowers of pale yellow are abundant, flowering in 45 days. No. 6030. Pkt., 25c.

Star Dust. This is a yellow Fantasy, with petals like a cactus dahlia, of medium size, on plants 2 1/4 to 3 feet, flowering in 45 to 50 days. No. 5909. Pkt., 25c.

Lilliput Pastel Mixture. A careful blend of all the lovely pastel tints in which this popular type now comes. Apricot, peach, cream, shell pink, salmon, rose, and orchid are included. Flowers in 45 days. No. 6070. Pkt., 25c.

Scabiosa Flowered Autumn Tints. Great improvement has been made in this distinct type of zinnia, which has flowers of most attractive form. This mixture includes orange bronze, russet, dull red, and other autumn tones. No. 6160. Pkt., 25c.

SPECIAL OFFER:

Any 3-25c, pkts., selected from this page - - - - - 65c

Any \$2.00 combination, selected from this page - - - - - \$1.65

« Novelties and Specialties—Annual and Perennial Flowers »

Thanks to a constant progress in the science of plant breeding, great improvements are being made in our garden flowers. Each year growers in all parts of the world announce introductions; and those which we can recommend as possessing real merit are here assembled for your inspection.

Newest Rust-Proof Snapdragons

Culture: A or B (Mar. to April), D or E (Feb. to March)

By developing a strain of snapdragons immune to rust, scientists of the University of California have restored this brilliant flower family to leadership as a garden subject. Rust is a widespread disease which discolors the leaves and saps the vitality; if you have found snapdragons difficult to grow, rust is probably responsible. Growing the Rust-proof strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

335 **Majestic Pearl.** Glistening pure white. Pkt. 20c

351 **Majus grandiflorum Shasta.** Pure white, free flowering. Pkt., 20c.

354 **California Giants.** A most excellent mixture of Rust Proof Antirrhinums similar to the Majus Grandiflorum type, containing a wonderful color range. Pkt. 25c.

MAXIMUM TYPE. These have huge individual flowers and flower spikes.

344C **Daffodil.** Beautiful two tone yellow.

347C **Salmon Pink Shades.**

347B **Salmon Rose Shades.**

347A **White Spire.** Compact plant, pure white flowers.

Each of above. Pkt., 20c; any 3 pkts. for 50c.

SUPER-MAJESTIC TYPE

326 **Autumn Glow Shades.**

327 **Orange Shades.** They consist of marvelous shades of rose deeply overlaid tangerine or golden orange.

328 **Red Shades.** Shades of deep crimson, garnet and ruby. Large flowers well spaced on spikes.

329 **Rose Shades.** Rich Begonia rose tones.

330 **Shell Pink Shades.** These colors, fresh and dainty, show off to perfection in natural or artificial light.

331 **Silver Pink.** Lovely deep pink with a white blotch on the lower lip.

332 **Mixed.**

Each of above. Pkt., 25c; any 3 pkts. for 65c.

See also page 39

New Strain of Anemones

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

7076 **Creagh Castle Strain.** Of Irish origin. It belongs to the well known St. Brigid variety. Flowers are extremely large and of good range of color. Pkt., 50c.

Anchusa in Bush Form

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7071 **Dwarf Dropmore.** Beautiful as is the color of the Anchusa in the spring and early summer borders, it has the disadvantage of a rather straggling habit of growth. This dwarf variety is, however, of a much less spreading habit than either the Dropmore or Lisadell varieties and moreover bears larger flowers of a brighter blue. Pkt., 25c.



197 **AGERATUM Blue Ball Improved.** Pkt., 25c.

Still More Compact Ageratums

Culture: A or B (May 15 to July 1st), D or E (Feb. to Apr.)

197 **Blue Ball Improved.** 8 in. The deep dark blue color of the original is deeper and darker in this improved strain; it grows even more compactly, in dwarf, symmetrical mounds of foliage completely covered with flowers, justifying the name "Blue Ball." Pkt., 25c.

200 **Blue Cap Improved.** 6 in. This new strain is definitely more dwarf than Blue Ball, with more compact habit, small foliage, and symmetrical dome-like form. For edgings and ribbon planting it is superb. The color is deeper and richer than Little Blue Star, a bright blue lavender. Pkt., 35c.

Spurless Strain of Columbines

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

7131 **Clematiflora Choice Mixed.** A cross between the Long Spurred Scott Elliott Strain and the common single one, practically fully true spurless. It is quite free-flowering, has up to 15 flowers on a plant at the same time, is a little less sturdy than the Scott Elliott strain; the flower size is as shown in the picture, whereas the colors are practically all there, except the deep red and scarlet. Pkt., 60 seeds, 50c.

New Blue Hardy Aster

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7225A **Rotundifolius.** 6 in. The numerous flowers rise on wiry stems above the dark green leaves which are rounded at the ends. The bright yellow discs are surrounded with ray florets of a fine forget-me-not blue. Planted in a sunny border or rock garden they make a brave show all Summer. Pkt., 50c.

Illustrated on Our Front Cover

Vaughan's CHRYSANTHEMUM FLOWERED Marigold

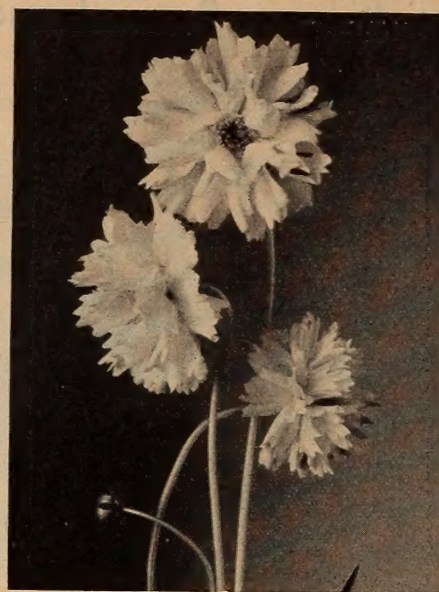
3140. These new Hybrids consist of many new and distinct types of Marigolds, varying in size of bloom from two to four inches in diameter. Some of these types have petals which are very quilled and incurved and which remind one of miniature American Beauty Asters in orange and yellow. There are also the imbricated types which have from four to five rows of flat petals and in the center there are many small quilled florets. These new types are quite variable and are most desirable. The beautiful colors are most fascinating and can best be described as containing all shades of orange and yellow. The plants are about three feet high, supporting masses of flowers on fine stems for cutting. Pkt., 25c; 3 pkts. for 60c.



7131 **AQUILEGIA Clematiflora.** Mixed. Pkt., 50c.



1608 CHEIRANTHUS Golden Bedder. 20c.



7489 COREOPSIS Double Sunburst. Pkt., 25c.



1504 CORNFLOWER Jubilee Gem. Pkt., 25c.

An Orange Sunshine Calendula

Culture: A or B (Mar. to May), D or E (Mar. to April)

1195 Double Orange Sunshine. A worthy running mate to the popular Sunshine or Calendula Chrysanthus. The same loose flower form with dainty incurved petals is present, while the color is a clear light orange of a vivid and penetrating tone. The flowers are of good size, excellent for cutting and extremely showy in the garden. The stems are unusually long and very strong. Pkt., 25c.

1196 Frilled Beauty. The flowers are large and full, completely double, with good stiff petals which are semi-rounded in appearance, giving good body to the flower. Stems are long and fine for cutting, while the plant makes a strong heavy growth. The color is a deep orange. Pkt., 25c.

1201 "Graciella" Hybrids. A new dwarf type. The plants grow 12 inches tall which makes them suitable for edging, borders, etc. The colors are varying from lemon to light and dark fiery orange yellow, with or without dark eye. Their greatest advantage, however, is in their early flowering—plants will be in bloom when 6-7 weeks old. Pkt., 20c.

1202 Pastel Bedding Mixture. Designed especially for the home garden, this mixture contains a balanced combination of the lighter shades of Calendulas in the dwarfed growing types. New shades of apricot, salmon, cream, and white are included as well as the better known orange and lemon shades. Pkt., 25c.

1203 Shaggy. The petals are long and deeply fringed or laciniated. Row after row of these long fringed petals overlap each other in a rather irregular fashion and build up a bloom with the shaggy appearance of some Chrysanthemums. Deep orange color shading to lighter orange in center of bloom, giving the flower a two-tone effect, has long stems and forms plants about eighteen inches high. Pkt., 15c.

Dwarf and Annual Campanulas

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7290 Medium Dwarf Bedding Mixed. A neat dwarf compact type about twenty inches high with glorious giant flowers of various colors. It is very floriferous and is ideal for spring bedding. Pkt., 25c. Biennial.

7372 Raineri. A very rare and beautiful species of dwarf and spreading habit. The blue flowers grow erect and cover the plant in June and July. 3 in. Pkt., 35c.

ANNUAL CANTERBURY BELLS

Culture: D or E (Jan.-April)

Many years of careful selection have at last given us an Annual Canterbury Bell which blooms from seed in less than six months. The plant grows from two to two and a half feet tall, each plant having from six to eight spikes of blooms.

1303 Angelus Bell. A beautiful art shade of deep rose. Pkt., 25c.

1304 Liberty Bell. An intense violet-blue. Pkt., 25c.

1306 Mission Bell is a beautiful clear pink. The color is soft and the fine large spikes of blooms are most attractive. Pkt., 25c.

1307 Wedding Bell. This pure white color makes a very desirable addition. Pkt., 15c.

1305 Mixed Annual Canterbury Bells. This contains the following colors: dark and light blue, pink, rose and white. Pkt., 15c.

Floral Turkish Rugging

1612 Chorizanthe Palmeri. A new subject for the border or rock garden. This easily grown annual forms a dense mat of statice-like flowers of a delicate pink which blends beautifully with the dull green foliage, turning in early fall to a charming shade of autumn brown. It grows about 8 inches and has a spread of 12 to 18 inches. Pkt., 20c.

Dwarf and Giant Cornflowers

Culture A or B (Mar. to June), D or E (Mar.-April)

1504 Jubilee Gem is a dwarf variety of *Centaurea Cyanus*, making a compact plant literally covered with double dark blue flowers. It has foliage distinct from all other cornflowers, forming a tufted mass of bright green, contrasting well with the dark but vivid blue flowers. The plant is about 12 inches in height. Pkt., 25c.

NEW DOUBLE CORNFLOWERS

The flowers of these strains are very large, fully double and the colors intensified. Finest for cutflowers.

1513 Black Boy. Blackish maroon. **1507 Pinkie**—Deep pink.

1506 Blue Boy—Blue.

1508 Red Boy. Deep red.

1509 Snowman. White.

Each of above, Pkt., 15c; any 3 pkts., for 40c; ¼ oz., 40c.

1521 New Double Varieties Mixed. Pkt., 15c; ¼ oz., 50c.

Candytuft of Deep Rose

Culture: A or B (Mar. to June), D or E (Feb. to March)

1285 Improved Rose Cardinal. This improved stock is much richer, due to its being several shades deeper. The plants are noticeably more robust, producing half again as many stems, which in turn support almost twice as many florets, and the fact that it comes 98% true to color makes it far superior to the old Rose Cardinal. Pkt., 15c; ¼ oz., 50c.

Fragrant Yellow Cheiranthus

Culture: A (Mar.-July), C (July)

1608 Golden Bedder. A deep golden yellow. The individual flowers are larger than the Allioni. It is sweetly scented, long flowering (especially if the seed pods are not allowed to form) and it may be sown in late Summer, Autumn or early Spring. Pkt., 20c.

Korean "Mums" from Seed

Culture: A or B (Mar. to June), D or E (Feb. to Mar.)

1621 Korean Hybrids. Seed saved from a large acreage of experimental crosses representing a wonderful range of magnificent colors. Large flowering single and semi-double. Will bloom the first year if sown early. Pkt., 35c.

Gayest of All Clarkias

Culture A or B (Mar. to May), D or E (Feb. to Mar.)

1747 May Blossom. An absolutely distinct and very beautiful new Clarkia; the color is pure glowing rose which deepens with age to a shade of pink—it is the most free-flowering of all our recent introductions in Clarkias and the flowers are larger than any other variety. A welcome addition to a popular class of annuals. Pkt., 15c.

Double Coreopsis with Giant Flowers

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7489 Grandiflora Double Sunburst. Much of the beauty of summer gardens is due to the brilliant golden-yellow of the Coreopsis. There is nothing that can take its place when yellows are so scarce. The flowers are double, 1½ to 2 in. across, excellent for cutting as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c.



2230 DIANTHUS Delight. Pkt., 35c.



2190 DIANTHUS Madam Butterfly. Pkt., 25c.



7504 SHASTA DAISIES New Double. 35c.

New Colors in Delphiniums

Culture B (Mar.-Sept. 1st), D or E (Mar.-May)

7549 Belladonna Blue Grotto. Same habit of growth as the Belladonna but blooms a little earlier. Comes true from seed. Flower a dark indigo blue. Excellent for perennial border and for cutting. Pkt., 25c.

7533 Clark's Hybrids. A selection made by a specialist from large flowered varieties including single, semi-double and double flowers, with pale and silvery blue, silvery mauve, lavender, soft blue, brilliant blue and dark gentian blue flowers. Some of the blues are with white eye, some shaded rosy purple, others have black eyes or bees and some are light blue on a white ground or china blue with opal pink. Pkt., 50c.

7568 Double Selecta. Extra double new hybrids, mixed, producing 90% extra double flowers of large size and excellent color variation. Pkt., 50c. For other Delphiniums, see page 75.

7567 Vetterle and Reinelt's Giant Blue Shades. A splendid strain produced by years of selection. The plants average 80% dominant blues, mostly medium and dark, individual flowers two inches in diameter, spikes 2½ to 5 ft. in length, of finely balanced tapering type, wide at the base. They have thin woody stems so they stand up without staking and are heavy bearing and mildew resistant. The flowers are well spaced and of good texture; plants have branching habit of growth. Some of the newest seedlings this year have a perfection of color not dreamed of a few years ago. Pkt., \$1.00.

Giant Early Cosmos Now Taller

Culture: A or B, D or E (Feb. to April)

1966 Sensation. Special Selected Stock. Extra large flowers, some with fluted petals. Very early and free blooming. Flowers pink or white, 4 to 5 inches in diameter, borne on long strong stems. Plants reach a height of 4 ft. Plants may be disbudded for even larger flowers. Pkt., 25c.

Cuphea a New Dwarf Subject

1999 Firefly. This is a semi-dwarf, compact annual with a spread of about 12 inches. The flowers are freely produced, somewhat fluted a deep rosy scarlet deepening almost to purple at the center. The foliage is very attractive, the plants grow very readily from seed and flower in about five months. This is our exclusive novelty. Pkt., 25c.

Huge Double Shasta Daisies

Culture B (Feb. to July 15th), D or E (Mar.-July)

7504 Giant Double. The long-stemmed flowers grow up to 6 inches in diameter, some perfectly double, some semi-double and a small percentage single. The petals are fringed, lacinated or slightly tubular, so that even the single flowers are of novel and pleasing effect. Pkt., 35c. Perennials.

Lovely New Annual Dianthus

Culture: A or B, D or E (Feb. to April)

2230 Delight. 9 in. It is a hardy annual, and has a neat, erect habit of growth, which is continuous, flowering out of doors from June until October, producing flowers about an inch in diameter, not in trusses, but in alternating spikes in great profusion. There is a bewildering range of colors from the palest pink down to the deepest purple, the predominating shades are velvety rich reds, many having the eye of a Sweet William, there is usually a definite color at the reflex of the petal. Pkt., 35c.

2190 Madam Butterfly. A rare Japanese Sweet William which blooms from seed the first year. They are especially interesting as they are so unusual. Their silken fringed petals are white and delicate pink. The Flower Grower Magazine for July, 1936, contains a fascinating story of these quaint Oriental Pinks. Pkt., 25c; 3 pkts. for 60c.

New Hardy "Pinks"

Culture: B (Feb. to July 15th), D or E (Feb.-April)

7581 Knappii. A yellow "hardy pink," unusual color for this family. Clusters of clear golden-yellow flowers appear above the grassy green foliage. A real novelty. Pkt., 25c.

7584 Highland Queen. The most brilliant perennial Dianthus in cultivation, bearing in profusion flowers of a lustrous scarlet-vermilion color. It is extremely hardy, of vigorous growth, and ideal for bedding, borders and the rock garden, continuing in bloom from the end of May until November. Pkt., 35c.

7631 Loveliness. Rightly named Loveliness, this new Dianthus will create a sensation amongst flower lovers everywhere. The flowers have large lacerated petals of a most exquisite mauve-pink, but most fascinating of all is their delightful fragrance, which is most alluring. Pkt., (25 seeds) 25c.

7595 Little Jock Hybrids Plumarius. Not more than 6 to 8 inches high, the compact plants produce a multitude of pretty fringed flowers, about an inch across, in varied tints of pink, rose and white, mostly with a deep zone, and quite 50 per cent of them are double. Pkt., 35c.

7589 Neglectus Rose Cushion. From a little cushion of grey-green foliage that is evergreen in character, hundreds of straight stems arise and in late May the flowers appear as if by magic. The color is pure pink, the flower about ¾ in. across and the plant about 3 to 4 in. tall. Pkt., 50c.

7634 Vaginat. 18 in. Attractive plant growing 18 inches tall covered with vivid cardinal red flowers on stems 16 inches long. Useful for the border or rock garden. Pkt., 30c.

7632 Double Scotch Pinks. This mixture contains a great range of colors such as white, shades of crimson, various shades of red and pink selves. There are distinct markings in all the blossoms. The markings are always considerably darker than the color of the blossom. A pale pink flower will have a crimson marking; white ones are marked with bright red, etc. Length of stem varies from 10 to 16 inches. Flowers are very sweet; about 65 per cent of the flowers will be double. Pkt., 35c.

2251 Double Sweet Wivelsfield. The original single was a cross of the Dianthus Alwoodii and Sweet William. This has the same characteristics only the flowers are double. Very brilliant colors and some have a honey fragrance. Pkt., 25c.

1937 "All-America" Selections

IN order to obtain expert and unbiased judgment on the merit of new strains or varieties of flowers, trial plantings are made of all offered for the test, by expert growers in many parts of the United States, who report to a central committee their opinion based on their trials.

GOLD MEDAL

3141 MARIGOLD Crown of Gold.....\$0.25

AWARD OF MERIT

5909 ZINNIA Star Dust......25
1504 CENTAUREA Jubilee Gem......25

SPECIAL MENTION

5712 VERBENA Floradale Beauty......25
4960 STOCKS Giant Excelsior Column Rose Pink......25
4057 PETUNIA Burgundy......30
2175 LARKSPUR Imperial White King......25
8281 POPPY Iceland Yellow Wonder......25

MENTION

3181 MARIGOLD All Double Striped Royal Scot......20
347a ANTIRRHINUM Rust Proof White Spire......20



3794 PANSY Super-Maple Leaf Mixture. Pkt., (250 Seeds) 75c.

Hardy Chinese Forget-me-not (Cynoglossum)

Culture: A, B, D, or E (March-April)

- 7499 Nervosum. 1-2 ft. A true perennial "Houndstongue." The flower is a real blue, resembling Anchusa Myosotidiflora. It blooms about 10 days after this Anchusa and a week before the biennial Cynoglossum. After flowering, growth of the long tongue-like leaves is vigorous, and they remain fresh and green thruout the hot weather. The plant seems to like full or moderate sun, and a rather heavy soil. By cutting the entire stems of the blossoms when they have faded, bloom may be continued to some degree at least until mid-August. Pkt., 25c.

Dimorphotheca in Dwarf Form

- 2323 Tom Thumb "Yellow Gem". 5-6 in. This showy little plant bears well expanded flowers of a pure bright yellow without zone or eye. Producing a wealth of bloom, it is an excellent subject for bedding or for edges and may be used advantageously for rockeries when the spring flowers are over. Pkt., 25c.

Escholtzia of Distinct New Type

Culture: A or B, D or E (Mar.-April)

- 2414 Ramona Hybrids Finest Mixed. The flowers are beautifully frilled and fluted, the petals incurving to form a flower which at first glance appears to be double. They are decidedly different and distinct, the handsomest member of their family group. The plants are dwarf and compact and do not make a profuse foliage. The general effect is one of brightly colored flowers. Pkt., 15c.

Gaillardia

Culture: A (Mar.-July), B (Feb. to July 15th), D or E (Mar.-July)

- 7813 Grandiflora Bremen. A splendid novelty, coppery scarlet flowers, with yellow tips. Very effective for border and cutting. Pkt., 15c. Perennial.
- 7817 X—Goblin. 12-15 in. This is the first really dwarf, compact variety, especially suited to the rockery. The neat plants are closely covered with large, showy, yellow bordered deep red flowers. It makes a good edging plant in perennial borders. If seed is sown by March or April, the plants will flower the same year. Pkt., 25c. Perennial.
- 7815 —Maxima Aurea. Very large flowered perennial gaillardia with golden-yellow flowers with large red eye. Pkt., 15c. Perennial.

Godetias Come in New Colors

Culture: A or B, D or E (Mar.-April)

- 2574 Kelvedon Glory. Deep glowing salmon orange, of an intensity and vividness found in no other Annual. The blooms are of beautiful symmetry and fine texture. Contrary to most flowers of such exceptional coloring, the plants are strong and robust and their freedom of flowering unusual. Pkt., 20c.
- 2577 Sweet Heart. 12 in. The finest dwarf double. Flowers are a shining pink overlaid with cream. Highly recommended. Plant in rather poor soil. They thrive in cool weather under moist conditions. Pkt., 15c.

Helianthus Like "Mum," From Seed

- 2710 Extra Dwarf Chrysanthemum Flowered Select. Plants make stout spreading growth and bear many golden-yellow double flowers measuring 4 to 5 inches across. Comes very true from seed. Pkt., 15c. Perennial.

Largest Pansies Yet Grown

- 3794 Vaughan's "Super" Maple Leaf Mixture. This strain is even finer than the original strain offered in our general list, with flowers of unbelievable size and texture; in a wonderful color range, larger than in any other strain, while the plants are of compact growth and the extra large foliage is a rich, dark green. Pkt. (250 seeds), 75c; $\frac{1}{2}$ oz., \$2.00.
- 3894 Vaughan's Super Swiss Mixture. We have made a special mixture from the strains of three pansy specialists. Many of the flowers are five blotched. All the vivid colors of the type are represented in their enormous wavy and crinkly flowers. Pkt. (250 seeds), 50c; $\frac{1}{2}$ oz., \$1.50.
- 5907 Pansy Fanal. A very attractive color, a blend of scarlet-bronze. The flower is of good form, not extra large, but good sized. Pkt., 25c.

Larkspurs of New Colors

Culture: A or B (Mar. to June), D or E (Mar. to April)

- 2158 Giant Imperial Blue Cockade. 45 in. A beautiful new shade of rich lilac blue. The flowers are closely spaced on long strong spikes and each floret is fully double. Pkt., 15c.
- 2171 —Coral King. 24-30 in. A new color, blush pink with a strong suffusion of coral which grows deeper and richer as the flowers mature. The color impression is that of a pale, delicate coral pink with a salmon tint. The florets are very large and fully double, with rounded petals. Early flowering. Pkt., 20c.
- 2172 —Dazzler. 4-5 ft. A rich scarlet in the popular base branching type. The delphinium-like spikes of double flowers are carried on strong stems and are compactly placed requiring only about one-half the space needed for the stock flowered type. Pkt., 15c.
- 2173 —Gloria Improved. 4-5 ft. This improved strain has the same type flower as the older variety Gloria, closely spaced florets of average size but with more pointed petals. The strain is early flowering, very even and upright in habit. It gives a good mass of color, a rich deep rose-salmon. Pkt., 20c.
- 2175 —White King. The flowers are a pure glistening white with rounded broad petals. The florets are extremely large and fully double, measuring as much as 2 inches across and are evenly and closely spaced on the stem. This gives a very heavy Hollyhock-like cutting spike from 24 to 30 inches long. The plants are tall, well over 5 feet and are of the true Giant Imperial basal branching type. Furthermore, White King is very early blooming, coming into flower more than a week earlier than other Giant Imperial varieties. Pkt., 25c.
- 2139 Stock Flowered Rose Queen. The color is deep rose-pink without salmon shading. It is a distinct new shade in the pink section of the stock flowered Larkspur. Average height 45 in. and foliage is darker green in color, blooms earlier than Los Angeles. Pkt., 15c.

New Giant Morning Glories

Culture: See Page 53 for Special Instructions

- 2942 Heavenly Blue Improved. Similar to Heavenly Blue from which it was developed, this improved strain is in all respects superior to the old. The color is a deep intense blue, shading lighter toward the center, the flowers are large and freely produced and the plants do not make the rank growth characteristic of Heavenly Blue, but go into flower early in the season and continue throughout the summer months. It is also much earlier flowering and the flowers remain open until late in the afternoon, being still open at six o'clock in the evening on cloudy days. Pkt., 25c.
- 2920 Super Giant Japanese Mixed. A wonderful advance in size of bloom over existing varieties. They are fully seven to eight inches in diameter, in many charming and delightful shades. Supplied in special packets, illustrated by a Japanese artist. Pkt. (12 seeds), 50c.

Heliopsis a Brilliant Border Plant

Culture: A or B (Mar.-July), D or E (April-May)

- 7909 Lemoine Strain. A very brilliant border plant resembling a double sunflower; flowers are double and semi-double golden yellow. A perennial that blooms from seed the first year. Pkt., 20c.

Heteropappus Has Flowers Like Asters

- 2833 Hispidus. The hardy Aster-like flowers, about $1\frac{1}{2}$ inches across, are silvery-lavender blue, in lovely contrast to the yellow centers. The half-hardy annual plants grow about 2 feet tall and are literally covered with flowers which last exceptionally well when cut. Pkt., 25c.

Lupins—Lovely New Colors

Culture: A or B (Mar.-July), D or E (Mar.-April)

- In a sandy or light woods soil where water can be supplied, the lupins will thrive. Their tall spikes of bloom present a delightful variety of color blending from June to September. All listed below are perennials. $2\frac{1}{2}$ to 3 ft.
- 8172 Ato-Violaceus. The flowers are a dark blue, very large size, a great improvement in color and size over original type. Pkt., 25c.
- 8181 Gold Crest. An outstanding variety with yellow flowers and deeper yellow wings. Pkt., 20c.
- 8177A Salmoneus. Many tender salmon shades coming quite true from seed. Pkt., 20c.
- 8182 Six Hills Scented Mixed. One of the finest strains of these attractive perennials. Flowers are sweetly scented and have a great range of color. Pkt. 15c.

Mesembryanthemum (Livingston Daisy)

- 3222 Criniflorum. Plants of slightly spreading habit are covered with daisy-like flowers, measuring about 2 inches, of pure white tinted and edged with rose, crimson, pink and buff; and self colors including primrose, golden, buff, apricot, crimson and pink. An ideal carpet or rockery plant and a gem for edging. Will succeed admirably in crevices of crazy paving or old walls and thrives well in poor soil. Pkt., 25c.



3141 **MARIGOLD** Crown of Gold.
Pkt., 25c.



8281 **POPPY** Iceland Yellow Wonder.
Pkt., 25c.



3142 **MARIGOLD** Gigantea Sunset Giants
Pkt., 25c.

Wonderful New Marigolds

Culture: A or B (May 15th to June), D or E (Feb.-April)

3141 Crown of Gold. All America Gold Medal, 1937. The first known marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant. Plant is 2½ feet tall. Pkt., 25c.

3138 Carnation Flowered Golden Eagle. Closely related to the popular variety Guinea Gold, Golden Eagle has the same habit, height and form of flower; but the color is a delightful shade of luminous gold, pleasing and distinctive. The plants come 100% double and the usual Marigold odor is practically lacking and it is early flowering. Golden Eagle as a cutflower is superb and it will become more popular than Guinea Gold, not only with the florist but also in the home garden. It is the most graceful of all the Marigolds and has long life as a cutflower. Pkt., 25c.

3139 Carnation Flowered Lemon Gem. Another companion to Guinea Gold; type, height and habit are exactly the same. The color is rich lemon yellow, a few shades deeper than Marigold Yellow Supreme. Marigold Lemon Gem completely rounds out the Guinea type class and makes a wonderful long-lasting cutflower. Pkt., 25c.

3181 Dwarf Royal Scot All Double. A new strain, with dwarf bushy growth, every plant a uniform shape and height of about 10 to 12 inches. Color a rich mahogany and gold in uniform stripes. Pkt., 20c

3142 Gigantea Sunset Giants. The new Mammoth Marigold. 3½ to 4 ft. A new strain producing the largest flowers, sometimes 7½ inches but averaging smaller in garden culture. Color varies, yellow and orange, plants heavy and vigorous, flowers 60 percent double. Pkt., 25c.

Four Feet Tall, Flowers in Five Weeks

3748 Mexican Oval Cup. 4 ft. An amazing new annual flowering in five weeks from seed, and blooming continuously until frost. The flowers are cup-shaped, 2½ inches in diameter, of changeable coloring, a blue lavender in the shadow, and pink in the sun. The plants grow luxuriantly, reaching four feet high and a yard in circumference, branching and bushy, when given room. The flowers are fine for cutting. Pkt., 25c.

Miniature Fragrant Tobacco

Culture: A or B (Mar.-June), D or E (Mar.-April)

3404 Orange Blossom (Miniature White). 18 in. An elegant small-flowered pure white species; delightfully scented; even, upright growth. Pkt., 35c

Lovely Dwarf Blue Nierembergia

Culture: A or B (May 15th), D or E (Mar. to May)

3411 Hippomanica. 4-6 in. Forms a cushion of light green foliage from which emerge corymbs of salver shaped flowers of a delicate lavender hue, 1 to 1½ inches across, adorned with a clear yellow eye. Pkt., 25c.

Iceland Poppy for Hot Summers

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8281 Amurense Yellow Wonder. A new strain flowering later, but resisting heat and drought much better than others, thus more adapted to American summers. Large flowers of buttercup yellow are freely produced on stems 25 inches long. Foliage is glaucous, covered with short hairs. A showy garden subject and fine for cutflowers. Pkt., 25c. Perennial.

Giant Flowered Annual Phlox

Culture: A or B, D or E (Feb.-Mar.)

4103 Gigantea Art Shades. A new strain with flowers an inch and a quarter to an inch and a half in diameter. In addition to its enormous flowers, it has a most wonderful range of soft colors blended together making a most beautiful mixture and color combination never before seen in Annual Phlox. Pkt., 25c.

Many Improved Petunias

Culture: Small Flowered A or B (Mar.-June), Small Flowered D or E (Mar.-April)
Large Flowered D or E (Feb. to April)

3934 All Double Giant Fringed Mixed. This notable strain produces 100% double flowering Petunias chiefly of the Giant Fringed type; the percentage of small flowering doubles does not exceed 22%, the remainder will be all large flowering fringed doubles. The flowers are very large, often measuring 5 inches across and contain a good range of brilliant colors. Pkt., 200 seeds, 50c.

4036 Balcony Cornflower Blue (Blue Wonder). New rich blue, several shades lighter than the regular Balcony Blue. Pkt., 25c.

4057 Burgundy. Special Mention All America Trials, 1937. Large-flowered, 3½-inch blooms, shades of purple or carmine with white throat and tube with violet veins. Pkt., 30c.

4049 Dainty Lady. A large-flowering single fringed variety of a distinct new hue in Petunias, a delicate golden-yellow, the first really yellow Petunia. The plants are neat, compact, semi-dwarf and free-flowering, bearing generous quantities of medium sized, delicately fringed-flowers. Pkt., 50c.

3976 Dwarf Howard's Star. This is at least two inches lower than the regular type of Howard's Star, bushy and compact. Flowers rayed with bright reddish purple. It is redder than ordinary Howard's Star and is uniform in color and in habit of growth. Pkt., 15c.

4044 Gaiety. The name Gaiety aptly describes the cheerful coloring in the rose and white of this new dwarf Petunia. Plants are bushy, 8 to 12 inches high, and are covered with large daintily fringed and waved blooms. Pkt., 25c.

4053 Lace Veil. A large flowering dwarf sort, with fringed and sometimes waved flowers of pure white suggesting a dainty lace. Pkt., 25c.

4099 Improved Rose King. Large and free-flowering rose colored variety of loose habit. This is a good type with but few color rogues. Pkt., 20c.

4079 Martha Washington. The plant grows about 9 inches tall and forms a perfect ball effect literally covered with lovely frilled or ruffled flowers about 3 inches in diameter. The color of the frilled portion of the flower is a beautiful blush pink and the center portion is strongly veined a rich wine red deepening in the throat, which is a large dark violet. Pkt., 25c.

4027 Rose Gem. 5-6 in. This is a charming addition to the new miniature group which was started with Pink Gem. Rose Gem is the rich deep rose that has made Petunia Rose of Heaven so popular. The plant is compact and smothered with blooms about two inches in diameter. Pkt., 25c.

4028 Dwarf Pink Gem. Like the above except in color which is a dainty light pink. Pkt., 20c.

4021 Twinkles. Masses of small brilliant rose flowers with well-defined pure white star. Very compact and free blooming. Pkt., 20c.



4103 **PHLOX** Drummondi Gigantea, Soft Art Shades. Pkt., 25c.



8434 PYRETHRUM Double White. Pkt., 50c.

Pyrethrums Make Big Advance

Culture: B (Feb. to July 15th), D or E (Mar.-July)

These large flowers, well named "painted daisies," blossom with the tall iris and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft. All listed are perennial.

8431 Grandiflorum Roseum. Immense blooms, true deep rose and of very good substance. Pkt., 50c.

8432 Grandiflorum Rubrum. This is a variety of true grandiflorum type bearing the flowers on strong, stiff stems. The color is a shade between deep rose and atrosanguineum and might best be described as deep ruby-red. Pkt., 50c.

8435A Grandiflorum Album. Pure white and of true giant type. Pkt., 50c.

DOUBLE

The Double Pyrethrum or French Marguerite is one of the earliest and most reliable border plants for providing long-stemmed flowers admirably adapted for cutting. It flowers in May and June and will bloom in July from seed sown in early March, comes about 60% to 70% true double, balance will be semi-double and fine single sorts.

8432B Double Pink. Pkt., 35c.

8434 Double White. Pkt., 50c.

8433 Double Red. Pkt., 35c.

8434A Double Salmon. Pkt., 35c.

New Primula Selections

Culture: B (Mar.-July), C (Oct.-Mar.)

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location.

8419 Veris Kleynii. Heavy stems, average length 8 to 12 inches, carrying immense heads of 15 to 25 florets, each floret 1 to 1½ in. in diameter, rich golden yellow shaded apricot towards center. Plants average 6 flower spikes each. Perfectly hardy anywhere in U. S. A. Pkt. (50 seeds), 50c.

8421 —Grandiflora Red Shades. Various shades of red in an attractive variety. Pkt. (60 seeds), 50c.

8422 —Elatior Gigantea. This is a selection made by a specialist over a long period of years. The flower spikes are 8 to 10 in. long, average ½ in. in width. The individual flowers are very large and are of pure white, dark red, pure yellow, pink and lilac and violet shadings. Pkt. (50 seeds), 50c.

New Hardy and Annual Scabiosas

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8494A Caucasia Vaughan's Special Mixture. Large fringed and ruffled flowers of the perennial varieties in shades of blue, from lavender to dark blue and some pure white, on long stems. Pkt., 25c.

8496 Fischeri. 2½ ft. Of Manchurian origin, easy to grow, and a long lived perennial. Flower is 2½ inches across, of beautiful blue-purple. Flowering stems clothed with finely-cut foliage up to a foot or more, ending in a long, clean stem useful for cutting. Pkt., 25c.

ANNUAL

Culture: A or B (Mar.-June), D or E (Feb.-March)

4726 Double Tall Blue Cockade. Deeper color than Azure Fairy but devoid of any suggestion of rose. They are the purest deep azure blue that can be found in any annual. The flower has so great a depth as to be almost conical in shape. An excellent cut flower, being strong stemmed and free flowering. Pkt., 25c.

4739 Improved Giant Hybrids. Particularly large, massive blooms in an unusual number of rare colors. Pkt., 15c.

4732 Rosette. A glorious new color, deep rose heavily suffused with salmon. The flowers are extra large and the stems long and stiff. This glorious, glowing new color will undoubtedly make Rosette popular. Pkt., 20c.

Schizanthus Much Improved

Culture: A or B (Mar. to June), D or E (Mar.-April)

4754 Pansy-Flowered (Danbury Park Strain). This new type of Schizanthus has already become very popular. The large smooth-edged Pansy-flowered blooms are remarkably substantial, while the rich self-colors in all shades of pink, crimson, mauve and purple, as well as white, are extremely bright and attractive. Pkt., 35c.

4753 Vaughan's Dwarf 'Masterpiece.' This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, well-balanced from light pink to rose, very pleasing dark violet, all with conspicuous blotches. Pkt. (100 seeds), 50c.

All the New Sweet Peas

Early Flowering Spencer

Culture: D or E (Mar.-April)

5341 Attraction. Bright salmon pink. Pkt., 15c.

5352 Boon. A glorious deep salmon pink on light cream ground. Pkt., 25c.

5347 Bridesmaid. A charming deep silvery pink. Pkt., 15c.

5356 Chime. A most pleasing shade of light salmon-pink on cream ground. Pkt., 25c.

5358 Colleen. Sprays of four sweetly fragrant, brilliant rose suffused with gold blooms. Turning to a rich golden rose under artificial light. Pkt., 25c.

5357 Colossal Rose. Largest rose pink on long stems. Pkt., 15c.

5365 Danube. Is a bit lighter than Mrs. Hoover and a shade deeper than Blue Bonnet. Large, ruffled blooms of a clear lavender blue, on long straight stems, in sprays of four. Pkt., 25c.

5400 Emblem. Outstanding for its unusually long stems on which are borne three and four bright salmon cream pink flowers, beautiful salmon-pink tone on the cream ground. Pkt., 25c.

5453 Josie. The largest longest stem pink sweet peas in existence. Pkt., 15c.

5481 Mariner. A vigorous grower, four large flowers being borne on long, stout stems. The clear blue flowers are practically without any tint of mauve shading at any stage. Pkt., 25c.

5480 Mother Machree. A golden rose suffused coral, a new shade and very free flowering. Pkt., 25c.

5522 Redwood. The color is deep, bright rich crimson. The flowers are large and well placed. Pkt., 25c.

5529 Sequoia. A rich golden salmon-cerise pea, frilled and wavy. Pkt., 15c.

5528 Shirley Temple. Dainty frilled blooms of large size of a rich pink shade. Pkt., 15c.

5530 Sonnet. The flowers are very large, borne on long stout stems by very vigorous growing vines. The flowers are bold, although very large, and the delicacy of the soft pink shade makes a truly sweet bunch. Pkt., 25c.

5531 Star. A sparkling rose-pink on white ground with a delightful salmon shading. The large, bold flowers are usually produced in four's on very long, stout stems. Pkt., 25c.

5532 Sunproof Orange. Of a bright scarlet orange hue—with a hint of more orange in the standard. A dozen or so of its strong supple stems, carrying predominating sprays of four are truly a gorgeous bouquet. Pkt., 25c.

5549 Triumph. A lovely soft lilac-mauve, a beautiful clear shade without any tinge of purple or blue. Pkt., 15c.

SPECIAL OFFER: Any 2, 15-cent pkts., 25c; any 3 25-cent pkts., 60c.

Late Flowering Spencer

4991 Ambition. Rich deep lavender, with a darker shade on the base of the standard and wings when young, lessening as the bloom ages. Gold Medal and Award of Merit, National Sweet Pea Society Trials. This glorious Sweet Pea is a distinct improvement on all other lavenders. Pkt., 15c.

4992 Artiste. A handsome, glowing clear geranium pink. Deep salmon shaded rose-pink with almost white ground. Pkt., 15c.

4993 Bridal Veil. This is a pure, solid and clear white which immediately impresses because of the giant flowers so frilly and graceful. The flowers open well and are evenly spaced on long stout stems. Many of the flowers are duplexed or ruffled and five to each stem is not unusual. It is black seeded, so less liable to rot, also the first black seeded white to be almost entirely free from any blush tinting in the bud or flower. Pkt. (30 seeds), 25c.

5008 Capri. The greatest light blue Sweet Pea ever introduced. The flowers are larger, lighter and clearer than Gleneagles. Pkt., 15c.

5009 Chinese Blue. A solid blue, richer and deeper than Blue Bonnet or Marine. The young buds, standard and wings, are all a rich deep blue. Pkt., 15c.

5030 Enchantress (Sutton's). The blooms are of a glowing salmon-pink overlaying deep rich cream and are placed in very attractive fashion. Immense size of flower, purity of color, length of stem and robust constitution are some of the characteristics of this new variety. It won the Silver Medal of the Scottish National Sweet Pea Society. Pkt., 35c; oz., \$1.00.

5068 Grand Slam. A bright scarlet-cerise shaded orange. Pkt., 15c.

5118 Highlander. A real pure self lavender. The flowers are exceptionally broad and daintily fringed. Pkt., 15c.

5204 Red Boy. Rich crimson. Pkt., 10c.

5206 Sextet Queen. Pure white flowers of perfect form and of great substance. Normally produces five-flowered stems when grown under ordinary conditions. When grown for exhibition on the Cordon system, will give six-flowered stems with quite a number of sevens. Black seeded. Pkt., 15c.

5270 Stylist. A clear deep rose-pink color. There is a decided flush of salmon tone in the pink coloring and the ground color is practically white. Pkt., 15c.

5272 Silver Jubilee. The bright shade of salmon-pink, delightfully placed over a cream ground gives the flowers a wonderful glow. It is absolutely sun-proof. Pkt., 25c.

5275 Yellow Tip. As the name suggests, this is the nearest approach to yellow as yet achieved. Flowers large and well balanced. Pkt., 15c.

Special Offer. Any two 15-cent Packets for 25c; any three 25-cent Packets, 60c.

Dwarf Salpiglossis

Culture: A or B (Mar.-April)

4620 Dwarf Giant Flowered, Mixed. These have a compact branching habit, with individual flowers half again as large as the Emperor type. Ideally suited for bedding purposes as they cover the entire head of the plant with blossoms. Pkt., 20c.


5780 **VISCARIA** Rose Beauty. Pkt., 20c.

4828 **STRAWBERRY** Baron Solemacher. 25c.

5909 **ZINNIA** Star Dust. Pkt., 25c.

New Runnerless Strawberries

4828 Baron Solemacher. Greatly superior to the Rugen variety, which we introduced 2 years ago, this wonderful novelty has the largest berries obtainable from seed in this strain. The plant does not have runners; flowers within eight weeks after sowing and produces great quantities of fruit throughout the season. Flavor and aroma make it ideal for pots or garden. Pkt., 25c; 3 for 65c.

4829 Baron Solemacher. Yellow Fruited. A counterpart of the above variety, except that the fruit is golden and of an even finer flavor. Pkt., 25c.

New White Sweet William

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7646 Giant White. A very large-flowered variety. White flowers are especially popular and in the garden, balance the color harmony. Pkt., 15c.

7716 Superb Mixture of New Colors. One of the most satisfactory perennials. Seed germinates readily and the second year a bed of them will be a mass of bloom in new and interesting colors. Pkt., 25c.

Blue Daisy of Long Season

5635 Tahoka Daisy. An unusually beautiful lavender-blue Daisy with fernlike foliage. Carried on good long stems, the flowers are many-rayed, with long slender petals of pure lavender-blue, tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. Treat as an Annual. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

Trollius of New Strains

Culture: C (Oct.-March)

8550A Europaeus. Earliest of All. An early-flowering variety with golden-yellow flowers. (Seeds germinate slowly, soak in hot water six hours. Pkt., 35c.

8550B Europaeus, Orange Princess. Amazingly beautiful shade of orange with fluffy stamens of still richer hue. Beautiful dull green foliage. Flowers 1½ to 2 in. in diameter, flower stem 1 to 2 ft. high. Pkt., 35c.

Verbenas of Glowing Crimson

Culture: A or B (May 15th), D or E (Feb.-April)

5736 Crimson Glow. A pure glowing crimson without an eye, first of this color in the hybrida class, rounding out the color range. The flower heads are produced freely on compact plants, with small leaves. Pkt., 25c.

5712 Floradale Beauty. Special Mention All America Trials, 1937. Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 25c.

5708 Gigantea Mixed. A wonderful mixture of large flowering varieties. ½ oz., 30c; pkt., 15c.

New Colors in Violas

Culture: Pansy Culture or A-B (Mar.-April)

5808 Chantreyland. A perfect Viola, producing masses of purest apricot flowers. Pkt., 25c.

5809 Ilona. Wine red. Pkt., 25c.

5805 Violette. Beautiful early and free flowering, upright habit, rich violet flowers. Pkt. 25c.

Viscarias Improved in Size

Culture: D or E (Feb.-Mar.)

5782 Blue Pearl. Free-flowering, tidy and erect. Pure lavender blue, distinct from other blue Viscarias, and without an "eye." Pkt., 15c.

5780 Rose Beauty. 18 in. Tall growing, it produces flowers of bright deep rose on long stems. The habit is upright and the stems are strong and ideal for cutting. The flower petals are fringed and lacinated. Pkt., 20c.

Many New Zinnias This Year

Culture: A or B (May 15th), D or E (Mar.-April)

6144 Dahlia-Flowered Pastel Shades. Some object to the vivid colors in this family and desire those of softer pastel shades, including the exquisite shades of salmon and lovely lavenders, creams and pure white. Pkt., 25c.

6131A —Desert Gold. Flowers are large double and well formed. The bicolor effect of deep golden-yellow at the base of each petal, contrasted with light or deeper gold at the tip is of arresting beauty. Height 2½ to 3 ft. Pkt., 25c.

5869 Early Wonder Gypsy. 15 in. A deep rich burnished orange selection of the Early Wonder type, a distinct strain flowering in 30 to 40 days. The flowers are of medium size and produced abundantly on bushy plants with light foliage growth and long wiry stems. For both cutflowers and border. Pkt., 25c.

5890 Halo. Neat well-rounded bushes, producing a wealth of dainty single blooms which are bright mahogany red, edged golden-yellow. Pkt., 20c.

6070 Lilliput Pastel Mixture. 15 in. A carefully chosen mixture of pastel tones for those who like these attractive little double flowers for cutting. Tints of apricot, peach, creamy yellow, shell pink, delicate salmon, rose and orchid are included, many of which are found in no other zinnia mixture. They are borne in great profusion and flower early, in 45 days from sowing. Pkt., 25c.

6050 Lilliput Tom Thumb Mixture. Plants grow only 4 to 6 inches tall, very compact growth covered with well-formed flowers of the Lilliput type. Colors range through red, orange, yellow, pink, rose and other pastel shades. Pkt., 15c.

6127 Linearis. 10 in. This is a new strain of our Midget type, bearing single flowers of deep golden orange, with a contrasting yellow stripe, an attractive combination. It is early flowering, and the plants may spread over two square feet without growing taller than 10 inches. Pkt., 20c.

6160 Scabiosa Flowered Autumn Tints Mixed. Scabiosa-flowered Zinnias are becoming increasingly popular. They make good cutflowers, graceful and easy to arrange. This strain is perfect in form of flower and comes true. The real beauty is in the lovely coloring of the flowers which range through all the gorgeous autumn foliage tints, including orange, bronze, russet, dull red, carmine red, terra cotta. Pkt., 25c.

6030 "Spun Gold." 12 to 18 in. A delicately tinted butter-yellow, a new color in this type, which will be highly valued by those who use this attractive 2-to 3-inch double flower for cutting. This variety flowers very early, 45 days from sowing. 30 inch. Pkt., 25c.

5909 "Star Dust." 2½-3 ft. This deep golden-yellow selection of the Fantasy strain will be welcome to those who believe that yellow is the best zinnia color. Fantasy type flowers have shaggy, ray-like petals, recalling the cactus dahlias. They are of medium size and flower in 45 to 50 days from sowing. Pkt., 25c.


6160 **ZINNIA** Scabiosa Flowered Autumn Tints. Mixed. Pkt., 25c.

Vaughan's Fancy Grass Seeds



FANCY KENTUCKY BLUE GRASS (*Poa pratensis*)

Extra Fancy Sun-Cured Seed. Specially re-cleaned, Extra heavy. Price, $\frac{1}{4}$ lb., 30c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.50; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.10; 20 lbs., \$9.25; 25 lbs., \$11.25; 50 lbs., \$20.00.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price, $\frac{1}{4}$ lb., 25c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.35; 5 lbs., \$2.15; 10 lbs., \$4.25; 15 lbs., \$6.35; 20 lbs., \$8.25; 25 lbs., \$10.00; 50 lbs., \$17.25.

WHITE CLOVER

Extra Fancy Seed. Price, $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 15 lbs., \$7.95; 20 lbs., \$10.25; 25 lbs., \$12.50.

Poa Species

OF THE BLUE GRASS FAMILY

Rough Stalked Meadow Grass (*Poa trivialis*).

A fine shade grass in the Northern half of the United States if it can have enough moisture. This grass is a perennial and a creeper. Sow in Fall or Spring at rate of 1 lb. to every 300 sq. ft. Price, 1 lb., 35c; 2 lbs., \$1.10; 3 lbs., \$1.65; 5 lbs., \$2.65; 10 lbs., \$5.25; 15 lbs., \$7.85; 20 lbs., \$10.25; 25 lbs., \$12.50; 50 lbs., \$22.50.

Wood Meadow Grass (*Poa nemoralis*).

Used as a shade grass in the Northern half of the United States. A good shade grass that grows well in rather dry soils. Sow in Fall or Spring 1 lb. to every 300 sq. ft. Price, 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.60; 10 lbs., \$11.00.

Poa Annua. An annual blue grass that reseeds itself. This grass does not grow very tall. Price, $\frac{1}{4}$ lb., 50c; 1 lb., 95c; 2 lbs., \$1.90; 3 lbs., \$2.80; 5 lbs., \$4.60; 10 lbs., \$9.00.

Canada Blue Grass (*Poa compressa*). Particularly valuable grass on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and the color is not so pleasing. Used only on the poorer soils, particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; 135 to 145 lbs. per acre for lawns, in Fall or Spring. Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.35; 5 lbs., \$2.15; 10 lbs., \$4.25; 15 lbs., \$6.35; 20 lbs., \$8.25; 25 lbs., \$10.00; 50 lbs., \$17.00.

Miscellaneous

Orchard Grass (*Dactylis glomerata*). A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Not adapted to wet soils. It should not be used in lawn mixtures as it is too coarse and tufted. Sow in Spring, 25 to 30 lbs. per acre. Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 25 lbs., \$7.00; 50 lbs., \$13.25; 100 lbs., \$25.00.

Awnless Brome Grass (*Bromus inermis*). Very strong, quick growth making two crops of very abundant pasture. It prevents washing on the banks of streams. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. to bushel). Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.15; 10 lbs., \$4.25; 25 lbs., \$9.75; 50 lbs., \$18.50.

Timothy (*Phleum pratense*). Most popular of all hay grasses. Vaughan's Fancy seed (99 5/8% pure or better) Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., 95c; 10 lbs., \$1.65; 1 bu., \$5.00 (45 lbs.); 100 lbs., \$10.00. Timothy not prepaid in lots of 1 bushel and over. Grain bags, 35c each extra.

RED TOP GRASS (*Agrostis alba*)

Extra Fancy re-cleaned solid seed (32 lbs. per bu.). Price, $\frac{1}{4}$ lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.20; 5 lbs., \$1.95; 10 lbs., \$3.75; 15 lbs., \$5.50; 20 lbs., \$7.25; 25 lbs., \$8.75; 50 lbs., \$15.00.

CREEPING BENT STOLONS

Produce a fine turf in one season but must have several top dressings a year and frequent mowing. For \$16.00 we will send you enough to plant 1,000 square feet, 500 sq. ft. for \$9.25; 250 sq. ft. for \$5.25. Transportation charges extra. A leaflet about Creeping Bent will be sent upon request. Plant during May or June, or latter part of August to the latter part of September.

VAUGHAN'S BENT GRASSES

For lawns the Bent grass seed is preferred to the creeping Bent stolons because these types of Bent do not grow so rapidly and do not require so much cutting and top dressing. Seed at the rate of 3 to 4 lbs. per 1000 sq. ft.

Astoria Bent Grass. This grass has creeping roots and makes a splendid lawn and golf grass. Requires less care than the aggressive surface creepers. Price, $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.35; 2 lbs., \$2.70; 3 lbs., \$3.95; 5 lbs., \$6.50; 10 lbs., \$12.75; 15 lbs., \$18.90; 20 lbs., \$24.60; 25 lbs., \$30.00. 3 lbs. per 1000 sq. ft.

European Mixed Bent (so-called "Creeping Bent") is a natural mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Colonial Bent. Seed 3 to 4 lbs. per 1000 sq. ft. Price, $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.30; 2 lbs., \$2.60; 3 lbs., \$3.80; 5 lbs., \$6.25; 10 lbs., \$12.25; 15 lbs., \$18.15; 20 lbs., \$23.60; 25 lbs., \$28.75.

Colonial Bent Grass makes a fine close turf of excellent color. Not a surface creeper. Price, $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.30; 2 lbs., \$2.60; 3 lbs., \$3.80; 5 lbs., \$6.25; 10 lbs., \$12.25; 15 lbs., \$18.15; 20 lbs., \$23.60; 25 lbs., \$28.75.

Seaside Creeping Bent Grass. This is a true unmixed Creeping Bent grass seed. This Bent does not require as many top dressings as the Bent grown from stolons. Price, $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.30; 2 lbs., \$2.60; 3 lbs., \$3.80; 5 lbs., \$6.25; 10 lbs., \$12.25; 15 lbs., \$18.15; 20 lbs., \$23.60; 25 lbs., \$28.75.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling problems of feeding, and combating insect and disease attacks.

Rye Grasses

English or Perennial Rye Grass (*Lolium perenne*).

Good for pastures. Moist and rich clays or loams are best suited to it; very quick to start. Also a lawn grass where quick results are wanted. Sow in Spring or Fall, 30 to 40 lbs. per acre for pasture. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 20 lbs., \$4.75; 25 lbs., \$5.75; 50 lbs., \$10.75; 100 lbs., \$20.00.

Pacey's English or Short Seeded Rye Grass.

The seed is smaller than the standard variety. A somewhat finer grass. Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.35; 20 lbs., \$5.40; 25 lbs., \$6.50; 50 lbs., \$12.00; 100 lbs., \$22.50.

Italian Rye Grass (*Lolium italicum*).

Produces good hay and pasture. Desirable in temporary pastures. Almost an annual, generally lasting a second year, however. Develops rapidly. Used in the South for winter lawn grass. Sow in October in the South, Spring or Fall in the North, 30 to 40 lbs. per acre for pasture; 4 to 7 lbs. per 1,000 sq. ft. on lawns. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 20 lbs., \$4.75; 25 lbs., \$5.75; 50 lbs., \$10.75; 100 lbs., \$20.00.

Domestic Rye Grass. A natural mixture of the English and Italian types of rye grass, grown in this country.

Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., \$1.10; 10 lbs., \$2.00; 15 lbs., \$2.90; 20 lbs., \$3.50; 25 lbs., \$4.00; 50 lbs., \$7.00.

GOLF

We have a golf department prepared to give expert service. Let us quote on your requirements.

We invite especially inquiries for grass seeds in quantity.

Fertilizers are Needed to Make Lawns Grow

Fine lawn grasses require rich soil in which to do their best. When properly fed they will grow so luxuriantly as to crowd out weeds. Grass which is constantly cut makes a heavy drain on the food content of soil, and unless this is annually renewed, a lawn will deteriorate. On page 105 are listed fertilizers of all types which are recommended for lawns. Our free booklet, "Your Lawn" gives definite instructions on the use of fertilizers.

Nu Green

A grass disinfectant for brown patch prevention and control. 3 oz. tin, 50c; 1 lb., \$2.00; 5 lbs., \$9.00; 25 lb. pail, \$33.75; 100 lb. drum, \$130.00. Write us for booklet.

Fescues

Chewing's Fescue (New Zealand Grown).

Similar to the creeping red fescue of Europe and is much used on golf courses. This grass is valuable on sandy soils as it is very drought-resistant. It also does well in the shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall, preferably the last week in August or the first week in September, at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.65; 5 lbs., \$2.65; 10 lbs., \$5.25; 15 lbs., \$7.85; 20 lbs., \$10.25; 25 lbs., \$12.50; 50 lbs., \$22.50.

Red or Creeping Fescue (*Festuca rubra*). True red fescue, grown in Germany. A fine bladed perennial with creeping roots—drought-resistant. Not available this year.

Slender Fescue or Fine-Leaved Sheep's Fescue

(*Festuca tenuifolia*). A low growing perennial that makes a good grass to sow between stepping stones. Does well on dry and inferior soils as well as in shady places. Sow in Fall or Spring, 1 lb. to 200 sq. ft. Price, 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.60; 10 lbs., \$11.00.

Sheep's Fescue (*Festuca ovina*). Much used for the "rough" on golf courses. Ask for prices.

English Blue Grass or Meadow Fescue (*Festuca elatior pratensis*).

Grows quickly and has broad blade. Should be sown with other grasses. Particularly a pasture grass. Sow in Fall or Spring, 30 to 50 lbs. per acre. Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., \$1.15; 10 lbs., \$2.25; 25 lbs., \$5.00; 50 lbs., \$9.00.

FOR SOUTHERN LAWNS

Bermuda Grass (*Cynodon dactylon*).

The grass for Southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the South; winter kills in the North. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.15; 10 lbs., \$4.25; 25 lbs., \$9.75; 50 lbs., \$18.50; 100 lbs., \$35.00.

Winter Grass. For a winter grass in the South use rye grass or red top.

SPECIAL LIST OF FIELD SEEDS

We carry a complete list of clover and other farm and field seeds of the highest quality. A laboratory report of purity and germination sent with every lot. A special price list will be sent upon application, or we will quote specially upon your exact needs. Address:

Field Seed Department
VAUGHAN'S SEED STORE
601 W. Jackson Blvd., Chicago, Ill.

Better Lawns With Seeds from Vaughan's



All Grass Seed is prepaid to anypart of the U. S. A.

WE recommend our lawn mixtures, composed of suitable varieties of grass seed because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination and identity.

Quality versus Price. Our constant aim has been to harmonize our never changing superior qualities of seed with such reasonable and fair prices as will be entirely satisfactory to our customers. In this respect we have every reason to believe we have been successful. Although because of short crops this past fall prices are somewhat higher than last year, yet we are pleased to say the qualities of our seeds were never better and our customers can send in their orders with the assurance of receiving the usual excellent seeds for whatever their needs may be.

Vaughan's "Chicago Parks" Lawn Seed

For the Lawn Beautiful, Permanent, Practical

We unreservedly recommend Vaughan's Chicago Parks Lawn Seed wherever a lawn is desired which combines the maximum of beauty and durability with a minimum of expense and care. This splendid formula remains the universal favorite.

The basis of VAUGHAN'S "CHICAGO PARKS" lawn seed is a large amount of the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportions to produce a fine permanent turf. Needless to say it does not contain timothy, which is a hay grass and does not belong in a lawn; none of Vaughan's formulas include this unsuitable grass.

Price, $\frac{1}{2}$ lb., 30c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.50; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.10; 20 lbs., \$9.25; 25 lbs., \$11.25; 100 lbs., \$40.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

When making a lawn on sandy soil or in medium shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, $\frac{1}{2}$ lb., 35c; 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.65; 5 lbs., \$2.65; 10 lbs., \$5.25; 15 lbs., \$7.85; 20 lbs., \$10.25; 25 lbs., \$12.50; 100 lbs., \$45.00.

Vaughan's Dense Shade Formula

An exceptional formula chiefly composed of imported grasses. It is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Follow instructions in our lawn booklet for growing grass in the shade. Does not contain clover.

Price, $\frac{1}{2}$ lb., 40c; 1 lb., 70c; 2 lbs., \$1.40; 3 lbs., \$2.10; 5 lbs., \$3.45; 10 lbs., \$6.75; 15 lbs., \$10.00; 20 lbs., \$13.25; 25 lbs., \$16.25; 100 lbs., \$60.00.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.25; 10 lbs., \$2.45; 15 lbs., \$3.65; 20 lbs., \$4.75; 25 lbs., \$5.85; 100 lbs., \$22.00.

On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

Vaughan's "Private Estate" Bent Formula FOR LAWNS "DE LUXE"

The unexcelled beauty and velvet smoothness of creeping bent putting greens has caused a demand for a lawn mixture which contains seeds of the bent grasses.

For those who are interested in bent grass we highly recommend our Private Estate formula, as it will require less mowing and less attention than pure bent grass lawns.

Private Estate formula produces a fine, heavy turf, which with proper care will constantly improve. This mixture does not contain clover.

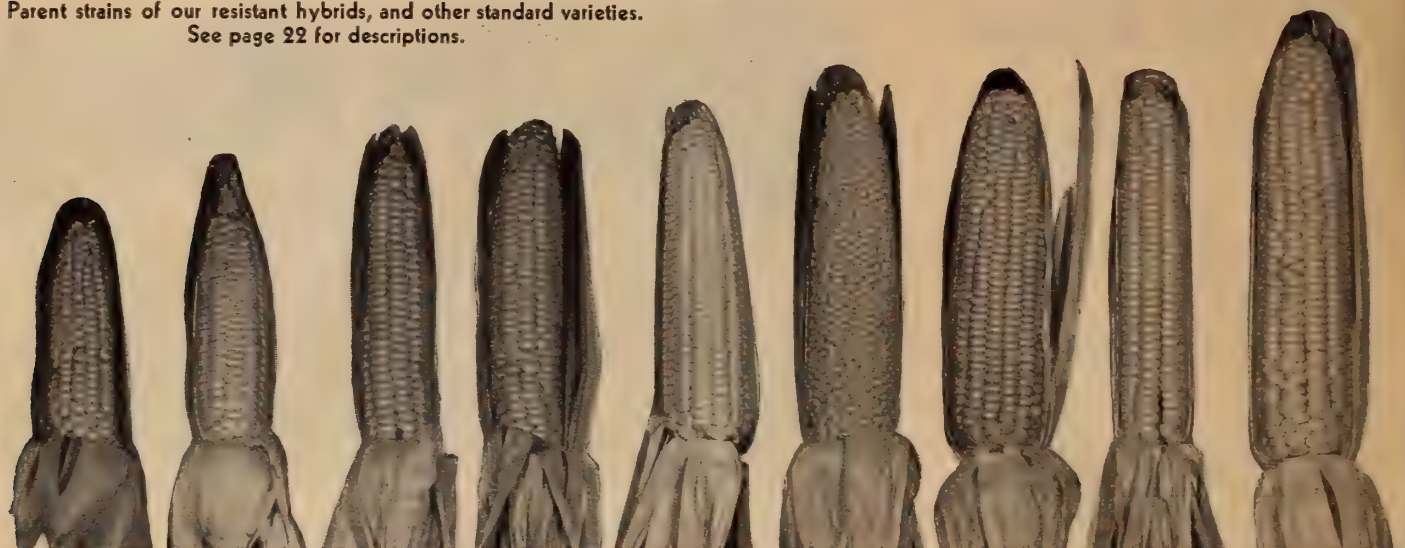
Price, 1 lb., 70c; 2 lbs., \$1.40; 3 lbs., \$2.10; 5 lbs., \$3.45; 10 lbs., 6.75; 15 lbs., \$10.00; 20 lbs., \$13.25; 25 lbs., \$16.25; 100 lbs., \$60.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S TERRACE FORMULA

A combination of grasses that root quickly and form a good turf under conditions met on terraces. After seeding terrace, rake in the seed thoroughly and if possible add a quarter of an inch top dressing of good black soil to provide a good cover for the seed. Then roll thoroughly or compact the soil with the back of the spade. Seed Vaughan's Terrace Formula at the rate of 1 lb. to every 250 sq. ft. If slope is very steep, seed 1 lb. of oats to every 100 sq. feet with the lawn seed and proceed as directed above. Begin mowing as soon as the oats are high enough to cut, and keep cut. Price, 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.80; 5 lbs., \$2.95; 10 lbs., \$5.75; 15 lbs., \$8.50; 20 lbs., \$11.25; 25 lbs., \$13.75; 100 lbs., \$50.00.

Parent strains of our resistant hybrids, and other standard varieties.
See page 22 for descriptions.



Purdue 39 Golden Gem Golden Sweet Purdue 51 Golden 60-day Golden Colonel Bantam Evergreen Golden Bantam Whipple's Yellow

Vaughan's Resistant Hybrid Sweet Corn

Heaviest Yields Are Given Even in Disease Free Soil

MOST newspaper readers are familiar with the remarkable results produced by hybrid seed corn in farm production. The discovery that first generation hybrid seed grows plants of amazingly improved vigor and yield, has completely reversed former breeding methods in the case of field corn.

While little has been published of a similar change in sweet corn breeding, it has taken place with equally improved results. In large scale production for market and canning, hybrid sweet corn is being generally adopted. Its use is stimulated by the growing prevalence of Stewart's disease, a destructive blight which made its appearance only a few years ago, and has proved to be one of the most serious of all the pests with which the vegetable gardener has to deal.

In developing hybrid resistant strains Vaughan's Seed Store has taken a leading part. Use of such strains with commercial growers, in localities where Stewart's disease is prevalent, has become necessary. The home gardener who wishes to be sure of a crop is advised to use them, since this pest is constantly invading new territory, and strikes without warning. A further reason is that, even where the disease is unknown, our resistant hybrids give a heavier yield than standard strains.

Vaughan's standard strains have been bred for earliness, tenderness, sweetness, size of ear and yield. Before Stewart's disease appeared we thought we had reached the limit of improvement. The illustration on this page demonstrates to what degree of perfection we have attained in Golden Sweet, Golden Gem, Golden 60 Day, Golden Bantam, and Bantam Evergreen.

Then came Stewart's disease and the necessity of combating it. No time was lost by our scientists. First to develop successful resistant strains was Prof. G. M. Smith of Purdue University.

Prof. Smith's parent types, Purdue 51 and Purdue 39, are illustrated. We obtained seed of both and have grown them by approved methods, keeping them free from possible crossing with other varieties. In the 1935 trials at Purdue University our strains of both 51 and 39 received top ratings for uniformity of type and height. The variety which is produced by crossing Purdue 51 and 39 is Golden Cross Bantam, of which our seed in the 1935 Purdue trials received top rating both for productivity (6.53 tons per acre) and uniformity of type.

Prof. Smith's experiments suggested that by crossing one of our standard bred varieties, representing the highest point yet attained in size, earliness and flavor, with his resistant parent Purdue 39, a variety chosen for vigor and yielding ability, it would be possible to produce Top Cross First Generation Hybrids which would combine the quality of the standard breeds, with the resistance and yield of the other parent.

By such crosses the maturity date of a standard strain may be delayed three to five days; but at the same time the yield is increased amazingly. The number of ears is increased from 20 to 40 fold and the size of the ear is enlarged. To look at Purdue 39 in the illustration, one would hardly suppose it to be a good parent, but experience gives the

proof. And, of course, in addition to the improved vigor, resistance to disease is imparted to the hybrid.

It must be remembered that only first generation seed of these crosses can be relied upon for these improvements. The corn you may grow from our hybrid seed gives a mixed progeny, of uncertain quality and yield. Only by returning always to the original parent strains, and using their joint offspring, can the benefits of this scientific breeding be realized.

Our Resistant Hybrid Strains

Golden Cross (Purdue 51 x Purdue 39) is ten days later than Golden Bantam and exceptionally heavy yielding.

The others mature in the order listed:

Sweet Cross (Golden Sweet x Purdue 39)

Marcross (Golden Sixty Day x Purdue 39)

Bancross (Golden Bantam x Purdue 39)

All are described on Page 22. Prices of all: Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.

Cabbage Yellows Resistant

TO produce cabbages with the small veins, firm, tight heads, tenderness and flavor which denote quality, it is necessary to have vigorous, fast growing plants which will mature either in cooler days of early summer, or in the fall.

In sections where fungus and bacterial diseases affect the plants, and this includes much of the middle west, experience has shown that best results are achieved by growing strains which resist the weakening effects of these diseases.

Resistant varieties are produced by growing plants on infected soil, and saving the seeds of those that have proved their ability to survive. Plants from this seed show the same resistant power as their parents. The seed from the original resistant stock is first generation seed; and only this retains in full the vigor and resistance of the original. The second generation may have some resistant qualities, but how much is uncertain.

We have specialized for years in resistant cabbages, and have developed special strains which are not only of a maximum resistant power, but of uniform size and season, as well as excellent quality in flavor and tenderness.

We offer this year first generation seed, from selected plants grown in infected soil, of all varieties listed below except Marion Market. Owing to the 1936 drouth we suffered a crop failure on this variety, and can offer only a second generation seed. By tests in a greenhouse we have demonstrated that this particular second generation seed retains to a high degree its resistant powers.

Our resistant strains mature in the order listed below. For complete descriptions, see Page 21.

	Pkt.	½ oz.	Oz.	¼ lb.
Jersey Queen.....	\$0.15	\$0.35	\$0.65	\$1.75
Racine Market (Wisconsin Pride).....	.20	.50	.90	3.00
Wisconsin All Head.....	.15	.35	.60	1.65
Marion Market.....	.15	.40	.75	2.25
Globe.....	.15	.40	.75	2.25
Special Shipper.....	.15	.35	.65	2.00
Bugner.....	.15	.35	.60	1.75
Wisconsin All Season.....	.15	.35	.65	1.75
Wisconsin No. 8.....	.15	.35	.60	1.75
Wisconsin Red Resistant.....	.15	.45	.80	2.50

Beet Perfected Detroit

Matures in about 50 days

IN this improved strain of Detroit Dark Red Turnip beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is as near perfection as breeding skill has attained, earlier, and almost spherical—the shape which is most desirable for pickling and canning. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

Broccoli Calabrese

Matures in about 120 days

ALSO called Italian Green Sprouting, and Papagano. We offer a selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 25c; oz., 60c; ¼ lb., \$1.75.

Early Cucumber Mandarin

Matures in about 45 days

EARLIEST of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. The Chinese expert, Dr. Yamei Kin, sent us seeds of famous strains which we crossed with white spine varieties. Of many excellent offspring we have selected the best. It is 10 to 12 inches long, 1¼ to 1½ inches in diameter, a deep green, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 15c; oz., 30c; ¼ lb., 75c.

Carrot Table Queen

Matures in about 68 days

EXCELS in sweetness, crisp tenderness and vivid yellow color which bespeaks abundant Vitamin A. Half-long type, rich red, tender, crisp and one of the sweetest we know. If we could show you the roots as we saw them in our trial grounds, with their rich coloring, and let you break them and hear that brittle snap which indicates quality, and eat them raw or cooked, you would agree that here is a real "Table Queen." Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

New Celery

Michigan Golden

Matures in about 150 days

DEVELOPED at Michigan State Agricultural College and also known as College Golden. A new strain of self-blanching celery resistant to root rot or crown rot "Fusarium Yellows," bred from the tall strain of Golden self-blanching. Its stalks are a little taller than Golden Plume but of the same width and have a narrower base. Pkt., 40c; ½ oz., \$1.00; oz., \$1.75; ¼ lb., \$6.00.

Lincoln, Neb.

I received your catalog. It is a gem and a great treat to look it over. I have bought seeds and plants from your firm since 1894.

John S. Reed.



A Cabbage Field in Yellows infected Soil. On Left, a Standard Variety; On Right, Our Resistant Wisconsin All Seasons.

Muskmelon Weaver's Special

Matures in about 85 days

THIS Melon comes to us highly recommended by old melon growers. In our Michigan trials in 1936 it was one of the outstanding varieties in quality. It may be used for shipping or the home market trade. It is the same season as Milwaukee Market but the flavor is more like Honey Dew. The outer skin is very pale and nearly smooth. Pkt., 10c; oz., 35c; ¼ lb., 75c.

Resistant Pea Early Gilbo

Matures in about 67 days

PEAS superior to any canned varieties. Peas are among the first crops to be planted in the spring and must be harvested reasonably early as they will not stand warm summer weather. The first varieties to plant are the smooth seeded ones but these are not the desirable ones for eating. The best flavored are the large wrinkled ones that can not be planted until about the middle to last of April and they should mature not later than June. Last year we introduced Giant Stride, a very prolific large podded dwarf type. This pea has an excellent flavor and is good for either the home garden or market. It is resistant to pea blight and very desirable but thought by some to be a little too late maturing. To overcome this lateness we are this year introducing one about a week earlier but of the same general characteristics otherwise. Early Gilbo is the new one. It was originated by one of the oldest pea growing specialists at Idaho Falls, Idaho, and named after their oldest breeder. It is 20 to 24 inches tall and dark and heavy vine. The pods are 4½ to 5 in. long by ½ to ¾ in. wide and filled with excellent flavored peas. It matures about 5 days after Laxton's Progress, is resistant to pea blight and makes a continuous crop for the season by planting Progress, Early Gilbo and Giant Stride at the same time. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.



PEA—Early Gilbo

Sweet Pepper California Wonder

Matures in about 75 days

A MILD, sweet, mid-season variety, very large, measuring 4½ inches in length by 4 inches in diameter. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. One of the heaviest peppers grown, not as prolific as some but much more desirable. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.25.

Grand Rapids, Mich.

I bought some of your seeds and had the biggest and best squash I have ever seen. Thanks.

Floyd Sculler.

Artichokes

THE Artichoke is grown for its edible blossoms. It is a perennial but will not stand freezing. It requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

GREEN GLOBE. Perennial, large-flowering heads. Matures second year; not hardy in the North. Pkt., 10c; oz. 50c.

JERUSALEM ARTICHOKE ROOTS. Five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. They grow in a wild form in the United States. Tubers can be supplied in March and April. Lb., 25c; 3 lbs., 50c; 10 lbs., \$1.25. Write for quantity prices.

Asparagus



ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed. One ounce of seed will sow 100 feet of row, producing 300 plants.

ROOT PLANTING—A year may be saved by buying the plants and setting them two feet apart in the row, and the rows four feet apart. Plant in a trench 12 inches deep, at the bottom of which is 2 inches of well rotted manure. Add 5 lbs. of a balanced plant food to each 100 feet, well mixed with soil. Cover roots 3 inches deep and add more soil as they grow until the ground is level.

WHITE ASPARAGUS. White Asparagus may be grown from the same variety as green. It is merely a method of growing. The stalks are killed with earth and cut underneath the ground before exposure to the light has turned them green.

WASHINGTON RUST RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture which originated this strain. Rustproof plants are preferred by commercial growers. Since the differences between varieties of asparagus are not great, given the same soil and cultivation, freedom from disease is of dominant importance. The most satisfactory strain is MARY WASHINGTON.

MARY WASHINGTON stock is so far the most satisfactory of the two strains. It is the result of a single cross. Pkt., 10c; oz., 20c; ¼ lb., 50c.

BONVALLET'S GIANT. Equally good grown white or green. Usually it produces a crop a year in advance of other sorts. Pkt., 10c; oz., 15c; ¼ lb., 35c.

ASPARAGUS ROOTS

	1-Year Old			2-Year Old		
Bonvallet's	Doz	100	1000	Doz	100	1000
Giant . . .	\$0.40	\$2.00	\$14.00	\$0.50	\$2.25	\$15.00
Mary Washington	.50	2.25	15.00	.60	2.50	16.00

If by mail add postage as follows. 100, 50c.

★
Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

Bean Cultural Notes

Beans are very tender. The seeds must be sown where they are to grow when frost has ended and the ground is warm. Stringless Red Valentine and Stringless Black Valentine are best for planting in cold soil. Sow in rows about fifteen inches apart, and thin the plants to about four inches apart in the row. Keep the surface soil soft and the rows free from weeds. Do not cultivate when the plants are in bloom, as it prevents the flowers from setting pods; and cultivating when the vines are wet with dew spreads the anthracnose, the chief disease of beans.

Beans will germinate better and grow more vigorously if inoculated with "Nitragin," see page 105.

Quantity needed to sow: 30 feet, 1 packet; 150 feet, 1 pound.



OUR STRAIN OF BOUNTIFUL IS EARLY AND HEAVY-YIELDING

Newest Strains of Green Pod Beans

QUALITY in beans is measured by stringlessness; by tenderness, or the absence of fibre, or "linen" in the pod; by ability to produce well; and by the pod, a long, straight pod being preferred. Fine strains of good varieties excel inferior strains in all these qualities, the difference between strains often being as great as the difference between varieties.

Our beans are grown on our own farms, or by expert growers under contracts which require that methods shall be used which involve increased expense but result in greatly improved quality. After the harvest our beans are hand-picked, to discard all seeds which do not conform to the ideal type. The improvement in your crop far outweighs the increased cost.

Both green and wax beans are grown by the same methods. Choice between them is a matter of taste. Round pod types are sometimes considered to be more brittle, and flat pod types to yield more heavily. Of all home garden crops, beans produce most food value for the cost of seed and the space devoted to them. For supreme table quality, serve them when half matured, the same day they are picked.

★**Bountiful Stringless.** Ready to pick in about 48 days. Of the heavy yielding, flat pod type, our strain of this variety is finest. One of the earliest, it produces straight pods of a clear rich green, 7 inches long, half an inch wide, completely stringless, tender and brittle. It has a long season of bearing. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 65c; 5 lbs., \$1.15.

★**Stringless Green Pod.** Ready to pick in about 50 days. The leading round pod variety. The pods are a rich deep green, round, 5½ inches long, completely stringless and free from fibre. The plants are large and yield heavily. Sow every two weeks for succession crops. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 65c; 5 lbs., \$1.15.

★**Tendergreen.** 52 days. A main crop variety of the stringless round pod type, with tall vines which carry their pods free of the ground. A heavy yielder, bearing long pods, fleshy and of excellent flavor. It is an improvement on Full Measure, which we are dropping from our list; and we recommend it for both home and market. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 65c; 5 lbs., \$1.15.

GIANT STRINGLESS GREEN POD. 53 days. Later than Stringless Green Pod, which it equals in quality, it has longer, thicker and straighter round pods, of excellent quality. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00.

★**The Prince.** 50 days. A wonderful exhibition variety. It is a dwarf bush bean, very dark color, vigorous and productive, bearing beans eight to ten inches long, thick and fleshy. Their dark color, extra size and fine flavor commend them to the home garden. Not stringless when mature. Pkt., 25c; ½ lb., 40c; lb., 75c; 2 lbs., \$1.40.

BLACK VALENTINE STRINGLESS. 48 days. An improved selection of the old Black Valentine, which is stringless, and yet retains the valuable quality of the older type of being immune to damage by light frosts, and therefore safe to plant at the earliest date. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00.

RED VALENTINE STRINGLESS. 52 days. Hardest of beans, germinating in cold ground where others would rot, and resisting light frosts. Round fleshy pods, vines 15 inches. This is a selection for stringlessness of the older type. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00.

FIELD BEANS

GREAT NORTHERN. 90 days. A little larger than the Navy Bean, it is harder and a much heavier yielder. For cooking many give it preference, saying it is more tender and digestible. Pkt., 10c; lb., 25c; 2 lbs., 40c; 5 lbs., 75c.

IMPROVED NAVY. 85 days. Fine field sort. Lb., 25c; 2 lbs., 40c; 5 lbs., 75c.

"ROBUST." 100 days. A selection of the White Navy Bean introduced by the Michigan Agricultural College, which in College trials has outyielded other White Beans, especially on heavier soils. Lb., 25c; 2 lbs., 40c; 5 lbs., 75c.

SHELL BEANS

DWARF HORTICULTURAL. 100 days. Late, heavy yielding. Flat green pods spotted with red. Pkt., 10c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00.

ENGLISH BROAD WINDSOR. 100 days. An English Dwarf Bean, eaten shelled, best of class. Pkt., 10c; lb., 40c; 2 lbs., 70c.

WHITE KIDNEY. 100 days. Lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00.

RED KIDNEY. 110 days. Lb., 35c; 2 lbs., 60c; 5 lbs., \$1.10.

WHITE MARROW. 110 days. Lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00.

Improved germination and vigor of growth in beans is produced by inoculating the seeds with "Nitragin." Garden size, 10c and 25c..



Rogueing Beans in our Fields

POLE BEANS

THEY YIELD HEAVILY

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest. A packet plants 15 hills; 1 lb., 100 hills.

***KENTUCKY WONDER OR OLD HOMESTEAD.** 65 days. Green pod. The most widely planted pole variety. The pods are fleshy, saddle-backed, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.15.

***KENTUCKY WONDER WAX.** 65 days. The best pole wax bean for Northern planting. It is similar in habit to "Kentucky Wonder Green Pod," and as early. Pods are golden yellow, and so fleshy that often the thickness surpasses the width; make delicious eating. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

EARLY GOLDEN CLUSTER WAX. 65 days. Long, stringless; fine quality; pods in clusters; pure white seeds. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

BURGER'S STRINGLESS GREEN POD. 63 days. (White seeded Kentucky Wonder.) Can be picked until frost. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

WHITE CREASEBACK. 65 days. Early; long, round, green, stringless, tender pods; white beans. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

CUT SHORT OR CORN HILL. 65 days. Much used in the South for planting among the corn. Yields well without poles. Short pods, flat to oval in shape; good quality. Pkt., 10c; lb., 40c; 2 lbs., 60c; 5 lbs., \$1.10.

LAZY WIFE. 72 days. Good shell beans; long, thick, stringless pods. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.10.

HORTICULTURAL CRANBERRY. 70 days. For cool climate; early; flat green pods, spotted seeds; good snap or shell. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.10.

KENTUCKY WONDER SCARLET RUNNER. 65 days. Ornamental, bright red flowers. Good snap bean. Pkt., 10c; lb., 50c; 2 lbs., 90c; ½ lb., \$1.90.



GOLDEN BOUNTIFUL

Stringless Wax Beans

***Golden Bountiful.** 54 days. An extra early, perfectly stringless flat variety with black seed. The pods are large and of a golden yellow color, which they assume when still very small. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

***Gold Standard.** Matures in about 52 days. In earliness, table quality and heavy yield this new variety is outstanding. It has straight flat pods, seven inches long; perfectly stringless, tender and of excellent flavor. In yield it equals its type parent, Davis Kidney Wax, which it far exceeds in quality. It is strongly recommended for the home garden. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

***Wardwell's Kidney Wax.** Matures in about 53 days. The attractive golden yellow pods seven inches long, are flat, brittle, stringless, straight, finely shaped and of excellent flavor. It is especially suited to midwestern conditions and is recommended for the home garden as well as for the market. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

***Round Pod Kidney Wax.** (Brittle Wax). Matures in about 52 days. The plant is erect, of medium size and a prolific bearer. The pods are a light yellow, 6 inches long, stringless and entirely without fibre. This variety has the highest table quality and is recommended for the home garden and for canning. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

IMPROVED GOLDEN WAX. 50 days. A medium early bearing heavy crop on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor peculiar to this variety. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 65c; 5 lbs., \$1.15.

NEW KIDNEY WAX. 53 days. A flat, long-podded stringless variety of highest table quality as well as a robust grower and high yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.50.

PENCIL POD BLACK WAX. 52 days. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 65c; 5 lbs., \$1.15.

UNRIVALED WAX. 53 days. Vigorous grower, slightly flattened pods, high quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 65c; 5 lbs., \$1.15.

Treat early planted beans with Semesan Jr., to aid germination. 4 oz., 55c.

Limas—a Luxury Crop

LIMAS should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space.



FORDHOOK BUSH

BUSH

Packet plants 20 ft.; lb., 150 ft.

***Fordhook Bush.** 78 days. The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick, beautiful green beans. In contrast with older varieties, which were dry and mealy, Fordhook is tender, sweet and juicy. For heaviest yield give each plant at least 18 inches in the row. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c; 5 lbs., \$1.65.

***Henderson's Bush.** 65 days. An early and prolific bearer of small beans. Thrives in ordinary soil and is an excellent variety for home gardeners who have difficulty growing the larger limas. Crop reliable, very productive, compact form, free from mildew. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

BURPEE'S IMPROVED BUSH. 76 days. This has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder." Vaughan's strain of this excellent sort gives the greatest satisfaction. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

BURPEE'S BUSH. 75 days. Large white seeds; very productive and splendid quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.40.

***McCrea.** A prolific bearer of large, thick lima beans, of the type known "potato." The plants stand stocky and upright, and the pods are 3 to 5 inches long. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

NEW WONDER BUSH. 76 days. Of bush lima quality. Plants are large, prolific and long bearing, pods uniform. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

POLE

Packet Plants 15 hills; lb., 100 hills

***Succulence.** 75 days. Earliest of pole limas, it also excels in table quality. It bears beans slightly larger than Henderson's Bush, equal in flavor and tenderness to Fordhook. It is an exceptional producer even for a pole lima and gives a continuing yield until frost kills the vines. It can be grown on a pole or allowed to run on the ground. We strongly recommend it as of the highest merit for both home and market. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$1.75.

EARLY LEVIATHAN. 83 days. Exceptionally early, it equals the main crop varieties for large pods; clusters of 5 to 8 grow together. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

KING OF THE GARDEN. 85 days. A large podded vigorous immensely productive variety. The numerous pods 5 to 7 inches long, are well filled with 5 to 6 large beans of excellent quality. The vine begins to produce pods near the foot of the pole and bears continuously until frost. Pkt., 10c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

LARGE WHITE SEEDED. 85 days. Pkt., 10c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

Fun to Grow This One

Yard Long. (French Asparagus Bean). 65 days. It produces a long, irregular, nearly round edible pod, which is a novel addition to the menu. Something to show your friends. Pkt., 15c; lb., 70c.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 116.

Beets of Quality

QUALITY in beets is measured by an even, globular shape, uniformity in size, bright even color, flavor, fine texture and tenderness. Here as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually in progress toward perfection.

While this extra care increases the cost of the seed, the increase is small compared with the added value which improved quality gives to the crop.

Beets are easily grown in the home garden, and provide appealing dishes throughout the year. When they are thinned out in the spring their tops and leaves make a delicious dish. They can be served fresh at all stages of growth, they make excellent pickles, are easily canned, and they keep well in a root cellar.



DETROIT BEET

★Perfected Detroit. Matures in about 50 days. In this improved strain of Detroit Dark Red Turnip beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is as near perfection as breeding skill has attained, earlier, and almost spherical—the shape which is most desirable for pickling and canning. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

★Crosby's Egyptian. Matures in about 50 days. This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape. This variety excels in table quality.

Vaughan's Selected Stock—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

Standard Stock—Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00.



CROSBY'S EGYPTIAN

★Early Wonder. Matures in about 50 days. This is a selection of Crosby's Egyptian which differs in shape and color, being slightly deeper and thus more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

★Detroit Dark Red Turnip. Matures in about 53 days. A main crop variety unequaled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Tops are uniform, small and erect. Roots are globe shaped, and very dark red, inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

★Good for All. Matures in about 54 days. This is a selection of Detroit, bred to produce uniform roots which can be harvested when 1¼-1½ inches in diameter, especially for canning and pickling. It is almost perfectly globular, smooth and uniform in size, with deep crimson even color inside. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

CRIMSON GLOBE. 55 days. Second early main crop, of medium size. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

EDMAND'S BLOOD TURNIP. 58 days. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

VAUGHAN'S FIRE BALL. 50 days. Early, of fine globe shape, solid, sweet, deep red flesh, small tops. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

LONG SMOOTH DARK BLOOD. 80 days. Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

EARLY BLOOD TURNIP. 50 days. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

IMPROVED EARLY EGYPTIAN. 48 days. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Home Garden Varieties—Crosby's Egyptian for the early crop and Detroit Dark Red Turnip or Perfected Detroit for main crop and late crop are recommended to home gardeners as providing the very finest table quality.

Quantity needed to sow: 15 ft. row, 1 pkt. 60 ft. row, 1 oz. Acre, 7 lbs. (Rows 18 in. apart.)

Mangel Wurzel

Mature in 90 to 120 days

Mangels are an excellent crop for dairy and poultry farms, giving a crop of good feeding value for both cattle and chickens. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches. Give the crop good cultivation.

BARRES SLUDSTRUP. This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root. Our seed is from best Danish growers. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

VAUGHAN'S MAMMOTH LONG RED. Largest and heaviest cropper of long red sorts. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

GIANT YELLOW ECKENDORF. Yellow roots, cylindrical 15 to 20 pounds each. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

GOLDEN TANKARD. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

GIANT ROSE HALF SUGAR. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

Sugar Beets

The kinds offered below are grown from roots, the test analysis of which showed high sugar content. Prices of the following: Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

VILMORIN'S IMPERIAL. Improved French variety; yields nearly as much as the Mangels.

KLEIN-WANZLEBEN. Wedge-shape tapering to long tail.

Brussels Sprouts

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. For late use sow seed in June.

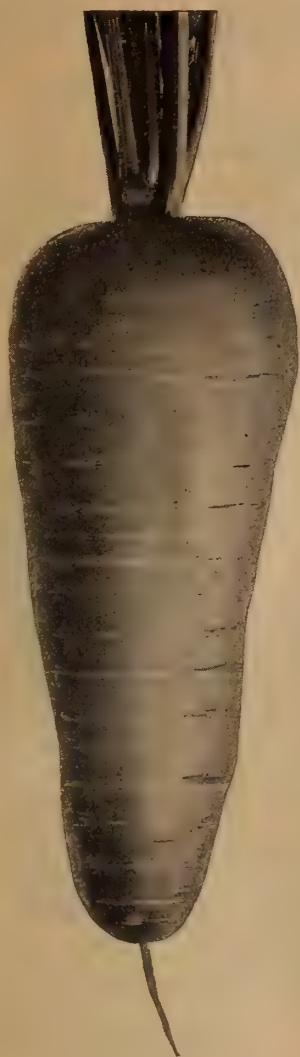
LONG ISLAND IMPROVED. 85 days. The most satisfactory Brussels Sprouts for American conditions. Pkt., 10c; oz., 25c; ¼ lb., 75c.

IMPROVED DWARF. 85 days. Dwarf habit and less liable to aphids than others. Pkt., 10c; oz., 20c; ¼ lb., 65c.



Brussels Sprouts

New Carrots of Finer Flavor



REDHEART

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

The expense of the extra care needed in selecting the best plants, together with the reduced seed crop which results from discarding the "rogues," necessarily increases the cost of selected strains; but the added cost is insignificant compared with the improvement which results in your crop.

★**Redheart (Rotherz).** **Matures in about 70 days.** Coming from Germany with high praise, this variety has demonstrated its merit in our trials. It is the finest flavored, tenderest carrot of its type. It has no core of the usual sort, but its rich red coloring is even throughout the flesh. The top is ample for bunching, and the foliage is fern-like. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

New Bunching. **Matures in about 80 days.** A new type developed to fill the demand of market growers for a longer and better colored bunching carrot. Pkt., 15c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

★**Nantes Half Long Scarlet.** **Matures in about 68 days.** This early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core, and this variety gives the home gardener supreme table quality, at whatever stage it is harvested. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

★**Table Queen.** **Matures in about 68 days.** Excels in sweetness, crisp tenderness and vivid yellow color which bespeaks abundant Vitamin A. Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

VAUGHAN'S SELECT DANVERS. 80 days. It is a half-long type, averaging five and one-half inches in length tapering to a blunt point. The color is a rich, deep orange, the table quality excellent, its yield greater per acre than any other. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Greater Chantenay. 70 days. This is a strain of Early Chantenay which resembles the original type in all respects except that it averages 1½ to 2 inches longer. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

EARLY CHANTENAY. 70 days. This excellent variety is ready to use in seventy days after sowing. Averages 4½ inches in length, tapering slightly from well-set shoulders. It is smooth, of a deep orange color, and of high table quality. Home gardeners may grow this for all purposes. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

EARLY SHORT SCARLET. 65 days. (Dutch Horn). Larger than French Horn and almost as early, 1½ inches thick, three inches long; fine grain, sweet-flavored, rich orange. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

VAUGHAN'S CHICAGO FORCING. 85 days. A nearly cylindrical, blunt pointed coreless carrot, from 1 to 1½ inches in diameter. Among the best flavored and tenderest varieties. Pkt., 15c; oz., 25c; ¼ lb., 75c.

GUERANDE OR OXHEART. 70 days. Is a variety of very rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top shape; has a good flavor and is tender. A second early. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

IMPERATOR. 85 days. 1932-1933. All American Selection, Award of Merit Winner. A new introduction which fills the great demand for a longer carrot than Chantenay, but with equal quality. Imperator has roots 7 to 8 inches long, slightly tapering, and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

CARROTS FOR STOCK

IMPROVED LONG ORANGE. 85 days. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Makes a large tonnage of feed and may be used for cattle or poultry. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.00.

Lake Douglas, Wis., "I had the greatest success with your seeds last year and one of the finest gardens you ever saw. Your garden seeds are excellent." George D. B.

Grand Rapids, Mich., "My first experience with Vaughan's Seeds was in 1901 and the memory of their excellence lingers though I have had many different experiences with others since. I am 79 years old." Mrs. Esther J.

You Can Grow Your Own Celery

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of June. 8 inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt., 8,000 plants, 1 oz.

★**Golden Detroit.** The plants are heavy, compact and full hearted. Stems are broad, very thick, rounded at the edges and the edible portion is about 7 inches long. The leaves are a clean bright green, the stems blanch easily and are very free from strings. This is a pure line selection of the Dwarf Golden Self Blanching type which accentuates the good points of that variety. Pkt., 25c; ½ oz., 60c; oz., \$1.00.

★**MICHIGAN GOLDEN.** (College Golden). Developed at Michigan State Agricultural College. A new strain of self-blanching celery resistant to root rot or crown rot "Fusarium Yellows," bred from the tall strain of Golden self-blanching. Its stalks are a little taller than Golden Plume but of the same width and have a narrower base. Pkt., 40c; ½ oz., \$1.00; oz., \$1.75; ¼ lb., \$6.00

GOLDEN PHENOMENAL. A selection of Golden Plume, taller, growing longer to the first leaf and heavier stalk. Free from any strings, fine flavor. Pkt., 25c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00.

WHITE PLUME. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white, and large sized.

Selected Stock. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.



CELERY GOLDEN PLUME

GOLDEN SELF-BLANCHING. Dwarf bunches, with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have lately introduced a re-selected strain earlier and stronger growing than the older type. We offer the two strains separately.

Tall Strain. French type. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

Dwarf Strain. American-Grown. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

GIANT PASCAL. The stalks are large, solid, crisp and of rich nutty flavor. For Fall and Winter, this is a splendid sort. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

EMPEROR. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

EASY BLANCHING. A vigorous grower of medium dwarf height, stalks thick, quality excellent. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

GOLDEN PLUME. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. **Select.** Pkt., 30c; ½ oz., 80c; oz., \$1.50; ¼ lb., \$5.00. **Regular.** Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

WINTER QUEEN. An excellent winter sort with double the amount of heart of any known celery. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.15.

SOUP CELERY OR SMALLAGE. Green foliage used for soups. Oz., 20c; ¼ lb., 50c.

Superior Strains of Cauliflower



VAUGHAN'S SELECT SNOWBALL

★**Vaughan's Select Snowball.** **Matures in about 55 days.** This improved strain of our New Snowball is one of the earliest, dwarf in growth, compact in habit, producing solid white heads which when well grown will measure 9 to 10 inches across and have a perfectly white core. Compared with New Snowball, its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 25c; ¼ oz., 80c; ½ oz., \$1.50; oz., \$2.75.

★**Vaughan's New Snowball.** **Matures in about 55 days.** For early outdoor planting and forcing, as well as for late sowing for the fall crop, this variety is standard. A well grown head measures 9 to 10 inches across with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Our strain is the product of years of careful selection. Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.40; 1 oz., \$2.50.

CAULIFLOWER quality is judged by the size and uniformity of the heads and the tenderness and fine texture of the flesh. Production of cauliflower seed has for many years been a specialty with growers in Denmark.

With our Danish growers we maintain relations of long standing and our contracts provide for the most careful selection of stock seed and roguing of the growing plants, to insure a high standard in the crop which you will grow. Owing to the added expense necessary in maintaining the quality of superior strains, prices of cauliflower seed vary greatly. But the additional cost of the best strains is small compared with the difference in your crop.

Home gardeners have a right to be proud of success with cauliflower. Yet it is not difficult where conditions are right. When plants are set out in June or early July to mature in October, there is seldom any question of getting fine, large heads. For summer heads, sow indoors, transplant to rich, light soil and give plenty of water.

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

★**Sureheader.** 63 days. Stem very short, leaves compact, upright, close to the stalk forming a whorl which protects the head. The head is exceptionally deep, firm, heavy and snow-white. Pkt., 25c; ¼ oz., \$1.00; ½ oz., \$1.85.

VAUGHAN'S EARLIEST DWARF ERFURT. In all respects it is similar to Vaughan's New Snowball, but a few days later. Pkt., 25c; ¼ oz., 70c; ½ oz., \$1.25; oz., \$2.25.

DRY WEATHER CAULIFLOWER. It is a very sure header, heads larger than Snowball, and is snow-white, second early. Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.40; oz., \$2.50.

DANISH SNOWBALL. Later than Vaughan's "New Snowball." A splendid second early. Pkt., 25c; ¼ oz., 70c; ½ oz., \$1.25; oz., \$2.25.

AUTUMN GIANT. In Southern localities this meets with favor as a large heading late fall sort. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

New Sprouting Broccoli

BROCCOLI, which has become popular throughout the country in the last few years, is a cousin of the cauliflower, having a similar but more delicate flavor.

The type which has won greatest popularity differs from cauliflower in its habit of growth. The center stalk produces a terminal head which may be cut, whereupon other heads are produced on lateral branches, which in turn may be harvested. This habit of "sprouting" and the fact that the heads are not bleached are responsible for the description of this type as "green sprouting broccoli."

Typical center heads are shown in the illustration. In addition to the heads, the stem and leaves near them are tender and edible. The yield is large and the season of bearing is long.

The home gardener will find broccoli an excellent crop for late summer and fall. It survives light frosts, and produces well in the cool autumn weather. Sow in the open in May, and transplant to eighteen inches apart in the garden row

★**Italian Green Sprouting (Calabrese).** **Matures in about 120 days.**

A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 25c; oz., 60c; ¼ lb., \$1.75.

LARGE WHITE MAMMOTH. This is a type which produces white heads similar to cauliflower. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

PURPLE CAPE. Purplish heads. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.



BROCCOLI ITALIAN GREEN
SPROUTING

Chinese or Celery Cabbage

Quantity needed for 30 ft., 1 Pkt.; 200 ft., 1 oz.

★**Celery Cabbage Pe Tsai.** The VAUGHAN exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away the cabbage presents a well light irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blanch without tying. July is the proper planting time. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

CELERY CABBAGE, "PAO-TING." Genuine "WONG BOK" type. We have obtained from our Chinese growers this new variety of the "Wong Bok" type which differs from the Pe Tsai type in being shorter and thicker. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.



CELERY CABBAGE
"PE TSAI"

Cardoon

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Savoy Cabbage A Table Delicacy

This type of cabbage has leaves which are crumpled or savoyed instead of smooth, as in other types. The heads are not as tight as the smooth leaved type, but are of superior flavor, and are esteemed for table quality. They are especially favored by many good cooks for stuffing with ground meats. Try them in the home garden.

IRONHEAD. Earliest of this type with large round head of excellent quality. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

IMPROVED AMERICAN SAVOY. The best main crop variety of this type. The vigorous short stemmed plant bears a large, fairly solid head, sweet and tender. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Red Cabbage

Red Cabbages are Valued for
Distinctive Flavor

★**Red Winter Giant.** 95 days. One of largest dark red, extremely hard head, exceptional keeping quality. Pkt., 15c; ½ oz., 40c; oz., 75c.

★**Haco, Earliest Round Red.** 75 days. This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs., each. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

MAMMOTH ROCK RED. 95 days. The hardest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; oz., 45c; ¼ lb., \$1.35.

RED AMAGAR. 95 Days. Round hard head, deep red color, excellent keeper. Pkt., 15c; ½ oz., 45c; oz., 80c.

RED YELLOWS RESISTANT. 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 15c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.50.

Finest Strains of Cabbages

QUALITY in cabbages is judged by uniformity of size and maturity date, tightness of head and crispness. In table quality as well as in points which are valued by market growers, superior strains of all standard varieties excel the ordinary grades of seed. The constant vigilance required to maintain quality, by discarding from the seed growing stock all plants which do not conform to the ideal type, increases the production cost but the increase is small compared to the difference in your crop.

If you have trouble growing cabbages owing to yellows disease in your locality, try seed of the resistant varieties described below.

Each year the seed stock from which these strains are grown is tested in yellows infected soil at Racine, Wis., where ordinary commercial strains die out completely. Plants which are healthy and of the best types are chosen to produce the first generation stock seed offered below.

Owing to the added expense of growing these superior strains, they cannot be priced in competition with other so-called resistant strains which are several generations removed from selected stock plants.

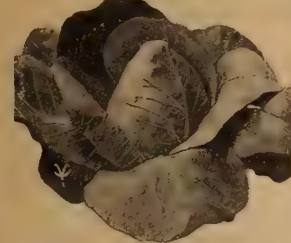
Quantity needed for 250 plants, 1 pkt.; 1,500 to 2,000 plants, 1 oz.

Yellows Disease Resistant Varieties

★ **Wisconsin Pride.** 64 days. A round head type. Of dwarf, compact growth with few leaves, of exceptionally uniform size and maturity season. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00.

★ **Wisconsin Ballhead.** 84 days. Most highly perfected strain of yellows resistant cabbage yet introduced. It excels in all the qualities that mark a good cabbage, besides being 100 percent resistant. A better keeper, of finer texture and matures earlier than Wisconsin No. 8. We sincerely recommend this for home garden and market growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★ **Jersey Queen.** 58 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows.



This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for Summer salad use is desired. Pkt., 15c; oz., 65c; ¼ lb., \$1.75.

WISCONSIN ALL HEAD EARLY. 70 days. Is the second resistant variety to mature. Will stand for a long time without

CABBAGE, JERSEY QUEEN

bursting and is nearly 100% resistant. Large heading general purpose cabbage. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.65.

MARION MARKET. 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhausen. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

★ **Globe.** 80 days. The resistant Glory of Enkhausen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage should compare a mature Globe with any other cabbage. Pkt., 15c; oz., 75c; ¼ lb., \$2.25.

WISCONSIN ALL SEASONS. 98 days. Either a kraut or home variety, but is used more for kraut than any other purposes. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

BUGNER. 100 days. A winter variety bred yellows-resistant by means of continual selection on yellows soil near Chicago. Pkt., 15c; ½ oz., c; oz., 60c; ¼ lb., \$1.75.

WISCONSIN No. 8. 110 days. A late winter keeper. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.



TYPICAL HEADS OF RESISTANT VARIETY MARION MARKET

Standard Bred Cabbages

★ Reselected Copenhagen Market Extra

Early. Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. It is the result of many years' selection by our European grower, and produces heads round as a ball, crisp, tender and of fine texture. Market growers have reported their entire crop of this strain harvested before heads from other seed of this variety were ready to cut.

Reselected Tested Stock, 60 days, Pkt. 15c; oz., 50c; ¼ lb., \$1.50.

Standard Stock, 68 days, Pkt., 10c; oz., 30c; ¼ lb., 90c.

★ **Daybreak.** 60 Days. It bears a round, hard head with short stem and was developed by one of the best growers in Denmark in whose trials it matured 65% in 60 days, averaging 3 pounds, 12 tons to the acre. Earliest Copenhagen Market strain matured 50% in 75 days, averaging 4½ pounds. 18 tons to the acre. The same relative performance may be expected in this country. Pkt., 25c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

★ **Golden Acre.** Matures in about 60 days. This early round headed variety is slightly earlier than our reselected extra early Copenhagen Market and is similar in most other respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf, compact growth, with few leaves so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

★ **Glory of Enkhausen.** 80 days. This globe shaped, medium early variety is of excellent flavor and crispness and produces heads weighing eight to ten pounds, and more uniform than the earlier types. Our strain is grown by the originator and is recommended for the main crop in the home garden. Pkt., 5c; oz., 25c; ¼ lb., 75c.

PENN STATE BALLHEAD. 100 days. A heavy yielding strain of the short stem Danish Ballhead type bred by Dr. Myers of Pennsylvania State College. Yields as high as twenty-six tons per acre have been recorded. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

VAUGHAN'S SELECT EARLY JERSEY WAKEFIELD. 62 days. This extra early conical-shaped head cabbage is a specialty with us, and to secure the best seed on our growing farms we spare no expense. In some sections, conical heads are preferred to round heads for the early crop. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; oz., 25c; ¼ lb., 75c.

CHARLESTON WAKEFIELD. 73 days. This sort matures later than "Jersey Wakefield," with heads much larger and uniform. Very popular with Southern growers, it does well on heavy soil. Pkt., 10c; oz., 25c; ¼ lb., 75c.

VAUGHAN'S ALL SEASONS. 90 days. Suited to every growing season. Even when planted late it keeps well, and is of better quality than big ribbed winter sorts. The heads are large and solid. Pkt., 10c; oz., 30c; ¼ lb., 75c.

ALL HEAD EARLY OR FAULTLESS. 70 days. Amateur growers who plant only one variety may plant this one. This sort matures large, uniform handsome heads of unsurpassed quality. Pkt., 5c; oz., 30c; ¼ lb., 75c.

EARLY SUMMER (New York). 75 days. The heads are round and flattened, of fair size, solid, quality good, have an attractive appearance, being tinged with a peculiar shade of blue. Pkt., 10c; oz., 30c; ¼ lb., 75c.

EARLY FLAT DUTCH. 75 days. Sure solid header; weighs 10 to 12 pounds. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.

LATE VARIETIES

DANISH BALLHEAD SHORT STEM. 100 days. Or Dwarf Amager. This variety is almost identical with "Dutch Winter or Hollander." Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

VAUGHAN'S PREMIUM LATE FLAT DUTCH. 110 days. Of the Flathead varieties this large-heading sort is the most popular. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; oz., 30c; ¼ lb., 75c.



COLDEN ACRE



Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.



Our Michigan Grown GOLDEN BANTAM

Sweet Corn All Summer, 25c

Collection No. 22. One Packet each, Earliest Golden Sweet, Golden Bantam, and Bantam Evergreen, prepaid for 25c. $\frac{1}{2}$ lb. each, 60c; 1 lb. each, \$1.00

ONLY by the home gardener, who picks and serves it without loss of flavor, can sweet corn be enjoyed at its supreme best. And only when superior strains are grown, capable of producing ears with a maximum sugar content, is the full possibility of this best of all dishes realized.

We are specialists in sweet corn, and grow our finest strains on our own farms. Between our strains and many of the seeds offered under the same names, there is a difference in size as well as in flavor, as great as the difference between varieties. The increase in cost is small compared with the difference in your crop.

Remember that after sweet corn is picked, its sugar content begins to turn to starch, and the sooner it is served, the sweeter it will be. If there is any delay keep it in the refrigerator.

A packet plants 40 hills; a pound 400 hills; 12 pounds an acre.

YELLOW

***Golden Bantam.** **Matures in about 64 days.** The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled. To maintain this supreme quality, however, requires constant vigilance, and there is great variation in the seed sold under this name. Our strain is grown on our Michigan farm, where it is selected for size, uniformity and flavor, and runs much larger than the usual type, as well as being supreme in quality. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

***Golden Country Gentleman.** (Golden Colonel.) **90 days.** By crossing Country Gentleman and Golden Bantam, this late variety was produced, with the flavor of Bantam and the size and kernel of Country Gentleman. An excellent late yellow. All America award of merit for 1935. Pkt., 15c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.50.

***Earliest Golden Sweet.** **Matures in about 53 days.** To produce an earlier variety with the quality of Golden Bantam we have worked many years, and this is the best of many tested. In size and flavor, it approximates Golden Bantam; it has a shorter stalk and ear lower down. It gives you Bantam quality twelve days earlier. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 75c; 5 lbs., \$1.50.

GOLDEN 60-DAY. **57 days.** It is bred from 60-Day White crossed with Golden Bantam. Except for its beautiful golden color and slightly pointed ear, it is the same in all respects as our 60-Day. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

WHIPPLE'S EARLY YELLOW. **67 days.** A 14 rowed ear, 7 to 8 inches in length, of good quality. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.15.

GOLDEN GEM. **50 days.** This variety, developed by the North Dakota Agricultural College, is the earliest yellow sweet corn producing 8 to 10 row ears. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 75c; 5 lbs., \$1.50.

VAUGHAN'S BANTAM EVERGREEN. **75 days.** A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

WHITE

VAUGHAN'S EARLIEST. **50 days.** The earliest medium sized white. The ear is sufficiently high on the stalk to make picking easy, and is of sufficient size so that 5 dozen will make a bag for the market. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.40.

60-DAY WHITE. **54 days.** Among the many extra early, this stands out because of its large ear and good quality. Height 3 feet, ears 10 to 12-rowed, 6 to 7 inches in length. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.15.

WHITE—Continued

VAUGHAN'S MAMMOTH WHITE CORY. **67 days.** The ears are long with 10 to 12 rows of kernels set close. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.15.

HOWLING MOB. **70 days.** A large-eared fine second early corn. The kernels are small in size, of delightful flavor. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.15.

EARLY EVERGREEN. **78 days.** It is earlier than Stowell's Evergreen and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller type. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.25.

STOWELL'S EVERGREEN. **90 days.** The standard main crop variety. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. Vaughan's Eastern grown seed develops a larger percentage of sugar than seed grown in the Western States. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

COUNTRY GENTLEMAN. **90 days.** The ears which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. The grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.40.

VAUGHAN'S BLACK SUGAR or Black Mexican. **90 days.** This is a selection of the Black Mexican variety for large ears and high sugar qualities. Ears 10-rowed, 8 inches long. For one who has never grown this corn its quality is a revelation. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 116.

To aid germination and increase vigor of early planted corn treat with Semesan Jr., 4 oz., 50c.

Pop Corn

KANSAS SUNBURST. **110 days.** It is a yellow kernel, 16-row ear, 6 inches long. Handsome to look at, wonderful popping quality, making 26 times its own volume. Developed by the Kansas State College and Dept. of Agriculture. Stalks 6 to 6 $\frac{1}{2}$ feet tall. 2 to 4 ears to stalk. Seeds, pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

SOUTH AMERICAN. **110 days.** Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

JAPANESE HULLLESS. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

WHITE RICE. Pkt., 10c; lb., 25c; 5 lbs., 90c.

Hybrid Varieties Produce The Largest Crops

Wherever Stewart's disease of sweet corn is prevalent it is advisable to plant seeds of a resistant strain.

Moreover, experience has proved that hybrid resistant seeds produce much heavier yield than standard breed varieties. All of the varieties listed below are first generation hybrids of our own production and may be relied upon to give a heavy crop of excellent quality.

Many growers are planting these hybrids even in localities where Stewart's disease is not present for the sake of the heavier yield.



EARLIEST GOLDEN SWEET, Ideal for Canning

*Vaughan's Top Cross Golden Bantam.

(Ban Cross). This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. It is earlier than either Purdue Bantam or Golden Cross Bantam. It is more uniformly eight rowed, though it may vary to a ten or twelve. The stalk is not as tall, but is a little taller than our Golden Bantam. One wishing the earliness and quality of Golden Bantam and at the same time wishing to have resistance, will do well to try this. Pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.

VAUGHAN'S PURDUE BANTAM. This was produced by G. M. Smith of Purdue University. It varies from an eight to a twelve and sometimes fourteen rowed corn, of a uniform length of ear, stalk that is taller by twelve inches than the regular Golden Bantam, heavier and darker colored foliage, ten days to two weeks later than our Golden Bantam, varying in resistance to Stewart's Disease under different weather conditions, and soil conditions. Pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.

VAUGHAN'S GOLDEN CROSS BANTAM. This is a resistant variety of Golden Bantam obtained by crossing the two strains produced by G. M. Smith of Purdue. The foliage is not quite as dark, but is of the same height of stalk. The ears are practically the same, but vary in the number of rows of kernels on the cob. It has the same resistance as the Purdue Bantam, and will produce a heavier crop of more uniform ears. Pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.

TOP CROSS GOLDEN 60 DAY. (Mar Cross). This is Golden 60-day crossed with Purdue Bantam and has given us a cross that is practically the same as Golden 60-day with wilt resistance. Pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.

TOP CROSS GOLDEN SWEET. (Sweet Cross). Our Early Golden Sweet crossed with Purdue Bantam and having most of the characteristics of our Early Golden Sweet, extreme earliness and unusual sweetness with wilt resistance. Pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.



SPLENDID SALAD CUCUMBER—THE VAUGHAN

Streamline Cucumbers

Bred to Ideal Shapes and Sizes
for Salads and Pickles

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.** Home gardeners will have no trouble in producing from our strains fruits that not only excel in table quality, with distinctive flavor, and crispness, but also are of exhibition quality in size and appearance. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and The Vaughan, largest of outdoor varieties.

The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants by liberal applications of Slug Shot, powdered arsenate of lead or tobacco dust.



CUCUMBER MANDARIN

★Mandarin. **Matures in about 45 days.** Earliest of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. The Chinese expert Dr. Yamei Kin sent us seeds of famous strains which we crossed with white spine varieties. Of many excellent offspring we have selected the best. It is 10 to 12 inches long, 1 1/4 to 1 1/2 inches in diameter, a deep green, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 15c; oz., 30c; 1/4 lb., 75c.

★The Vaughan. **Matures in about 74 days.** The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers who grow it have greenhouse cucumbers raised outdoors. Pkt., 10c; oz., 25c; 1/4 lb., 75c.

★Straight Eight. **60 days.** A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long, retaining shape and flavor under conditions which would make others crooked. Pkt., 15c; oz., 30c; 1/4 lb., 90c.

CUCUMBER, EARLIEST OF ALL. **55 days.** A fair size, dark green White Spine. Of special value in localities where blight prevents the maturing of the late and longer sorts; also of value in the South for first crop. Pkt., 10c; oz., 20c; 1/4 lb., 50c.

CUCUMBER, EARLY FORTUNE. **58 days.** Medium length White Spine much planted in the South for shipment to the Northern markets. Pkt., 10c; oz., 20c; 1/4 lb., 50c.

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE. **60 days.** A heavy yielder; symmetrical, straight, 7 to 10 inches long. A great favorite in the South. Pkt., 10c; oz., 20c; 1/4 lb., 50c.

DAVIS PERFECT. **58 days.** Fine length, slimness, beautiful dark green color and enjoyable crispness are qualities of this long white spine variety. Its extremely vigorous growth makes it the best blight resister of the long sorts. Pkt., 10c; oz., 25c; 1/4 lb., 60c.

EXTRA LONG WHITE SPINE. **60 days.** A great blight resister. 8 to 12 inches long. Select Stock. Pkt., 10c; oz., 25c; 1/4 lb., 60c.

IMPROVED LONG GREEN. **68 days.** Used for yellow chunk pickles. Vaughan's strain is improved and developed by re-selection. The vines are vigorous, and productive; the fruit (12 inches long) is very firm and crisp and has a distinctive flavor. The best of the "black spine" varieties. Pkt., 10c; oz., 25c; 1/4 lb., 65c.

JAPANESE CLIMBING. **58 days.** This is a distinct variety having a heavy vine and large leaves and being quite resistant to disease and insects. It is a black spine cucumber and may be used for pickling or slicing. It is good quality and of a dark green color when young turning to a russet-yellow when ripe. May be used on a trellis if desired. Pkt., 10c; oz., 25c; 1/4 lb., 60c.

IMPROVED WHITE SPINE. **58 days.** Medium size, straight, always fine yielder; light green. Pkt., 5c; oz., 20c; 1/4 lb., 50c.

DELTUS. **72 days.** A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt., 10c; oz., 25c; 1/4 lb., 65c.

WHITE WONDER. This variety of fine quality bears fruits 7 to 8 inches long which when young have pure white skin. Valued for table use and exhibition. Pkt., 10c; oz., 25c; 1/4 lb., 65c.



CUCUMBER—STRAIGHT EIGHT

PICKLING TYPE

Grow Quick. **48 days.** A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 10c; oz., 25c; 1/4 lb., 50c; lb., \$1.50.

Westerfield's Chicago Pickle. **58 days.** Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 5c; oz., 25c; 1/4 lb., 45c; lb., \$1.25.

IMPROVED JERSEY PICKLE. **54 days.** Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." It is broader at the tip than at the stem end and nearly straight. It is very prolific. Our seed is very uniform. Pkt., 10c; oz., 25c; 1/4 lb., 50c.

WEST INDIA GHERKIN. **60 days.** A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 15c; oz., 25c; 1/4 lb., 65c.

SNOW'S FANCY PICKLING. **56 days.** The type is shorter than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The fruit being smaller, blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us. Pkt., 10c; oz., 25c; 1/4 lb., 50c.

GREEN PROLIFIC OR BOSTON PICKLING. **58 days.** Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 25c; 1/4 lb., 50c.

FIRST RESISTANT CUCUMBER

SHAMROCK RESISTANT. Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long, bred by the Iowa Agricultural Experiment Station. Pkt., 15c; oz., 25c; 1/4 lb., 65c.

ODD CUCUMBERS

LEMON CUCUMBER. **52 days.** Not the same as the Garden Lemon, though similar in appearance. It is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 15c; oz., 25c; 1/4 lb., 75c; **SERPENT OR SNAKE.** **80 days.** A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c; 1/4 lb., 75c.

ENGLISH FRAME CUCUMBER

ROLLISON'S TELEGRAPH. **60 days.** English greenhouse forcing. Pkt., 25c.

Chicory

★Asparagus Chicory.

80 days. This is a favorite in Italy and has been grown successfully in our trials. A member of the chicory family, it is cultivated for its fresh green shoots which are boiled in salt water and served hot, or in cold salad. They are tender and suggest the flavor of asparagus. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 15c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

WITLOOF (FRENCH ENDIVE). **120 days.** A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Special strain. Pkt., 10c; oz., 25c; 1/4 lb., 75c.

Large Rooted Magdeburg. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 20c; 1/4 lb., 50c.

Chervil

DOUBLE CURLED. **70 days.** An aromatic plant resembling parsley but being superior in flavor. The leaves when young are used for flavoring and garnishing meats. Seed requires four to five weeks to germinate. Pkt., 10c; oz., 15c; 1/4 lb., 35c.

Chives

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The seeds are used for seasoning. The flowers are a beautiful lavender. Pkt., 10c; 1/2 oz., 30c; oz., 50c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

Collards

A leafy plant having foliage similar to that of cabbage, but does not form a head. Is used as a greens and is adapted to districts where the cabbage does not head readily. Pkt., 10c; oz., 15c; 1/4 lb., 30c; lb., 90c.

Corn Salad

FIELD SALAD. **70 days.** (Mache-Stick, Siat). A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. Pkt., 10c; oz., 20c; 1/4 lb., 60c.

Dandelion

THICK leaf or cabbage variety. Cultivated for spring greens, is fast gaining favor. Unlike common sorts, almost double usual size. Pkt., 25c; 1/2 oz., 40c; oz., 75c.



BLACK BEAUTY EGG PLANT
Early, for Northern planting

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

***Black King.** 90 days. In addition to being far earlier than other varieties, this new hybrid from Japan is a heavy yielder, a vigorous grower in the hottest weather, is free from disease, and of fine table quality. The fruit about two-thirds as large as Black Beauty, but each plant will continue to bear from midsummer until frost, producing as many as thirty fruits. Pkt., 25c; ½ oz., 40c; oz., 65c; ¼ lb., \$2.00.

IMPROVED NEW YORK PURPLE. 120 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

***BLACK BEAUTY.** 110 days. Twelve days earlier than New York. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

Celeriac

TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich, celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

LARGE SMOOTH PRAGUE. 120 days. Excels in quality, size and appearance. A main crop variety, nearly globe-shape and almost twice the size of Erfurt. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Cress

UPLAND CRESS. 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; oz., 20c; ¼ lb., 50c.

CURLED GARDEN. 65 days. Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 15c; ¼ lb., 35c.

WATER CRESS (Wasser Kresse; Cresson). 75 days. The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.



CELERIAC—LARGE SMOOTH PRAGUE



GREEN CURLED ENDIVE

Endive

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

***Full Hearted Escarole.** (Broad Leaved, White). 75 days.

Of the straight, smooth leaf Batavian type, this variety has the largest number of heart leaves, and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 60c.

GREEN CURLED SUMMER. 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 20c; ¼ lb., 50c.

GREEN CURLED WINTER. 75 days. Pkt., 10c; oz., 20c; ¼ lb., 50c.

MOSS CURLED. Pkt., 10c; oz., 20c; ¼ lb., 50c;

ROSE RIBBED CURLED. 75 days. A variety of the green curled type which has leaf-ribs of red. Pkt., 10c; oz., 20c; ¼ lb., 50c.

EVER WHITE CURLED. 75 days. Very crisp. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Finnocchio

FENNEL, Florence. 75 days. One of the finest of Italian delicacies. It has an enlarged leaf base which should have the dirt drawn up around it when it is the size of a hen's egg. In a couple of weeks thereafter it may be served either as a salad or boiled with a cream dressing as celery. Height of plant, 2 feet. Directions for culture and use given with each order. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Horseradish Sets

HORSE RADISH. Roots produce good Radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets, recovering the plant as fast as accomplished. Doz., 50c.; 100, \$3.00; 1,000, \$18.00.

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

DWARF GREEN CURLED KALE. 110 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Pkt., 10c; oz., 15c; ¼ lb., 35c;

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. 110 days. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 20c; ¼ lb., 40c.

TALL GREEN CURLED. 110 days. Pkt., 10c; oz., 15c; ¼ lb., 35c.

SIBERIAN. 110 days. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 15c; ¼ lb., 30c.

Sea Kale

SEA KALE. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.



VIENNA KOHLRABI
EARLY WHITE

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like Turnips, but are much sweeter.

***Early White Vienna.** 60 days. White and tender. Pkt., 10c; oz., 25c; ¼ lb., 70c.

EARLY PURPLE VIENNA. 60 days. Pkt., 10c; oz., 25c; ¼ lb., 75c.

SHORT-LEAVED EARLY ERFURT. 50 days. For forcing in open ground. White flesh, very tender, short leaves. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Garlic Sets

SELECTED BAVARIAN. 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter hang in strings in a dry basement. Lb., 30c; 10 lbs., \$2.50. Postage extra. Write for latest market prices on quantities.

Leek

Leeks are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up, but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

***Elephant.** Largest of all leeks. Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

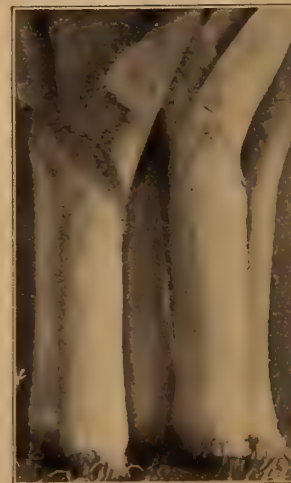
LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz., 25c; ¼ lb., 75c.

BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves. Pkt., 10c; oz., 25c; ¼ lb., 75c.

LARGE CARENTAN. Pkt., 10c; oz., 25c; ¼ lb., 75c.

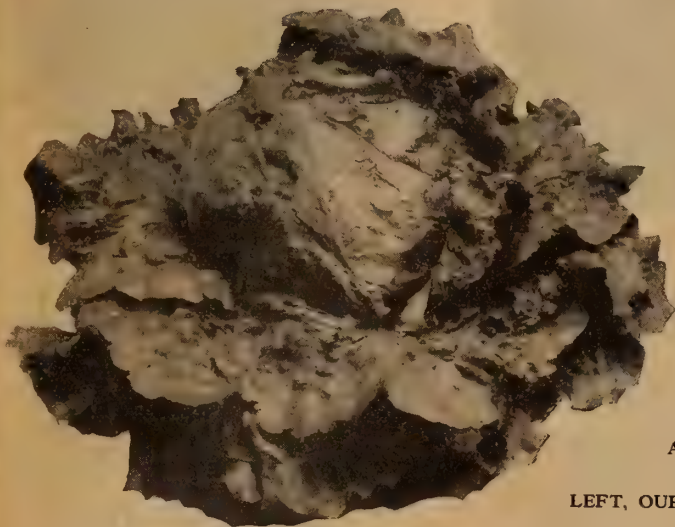
Martynia

The tender young seed pods, gathered when half grown, make excellent pickles. Pkt., 10c; oz., 20c.

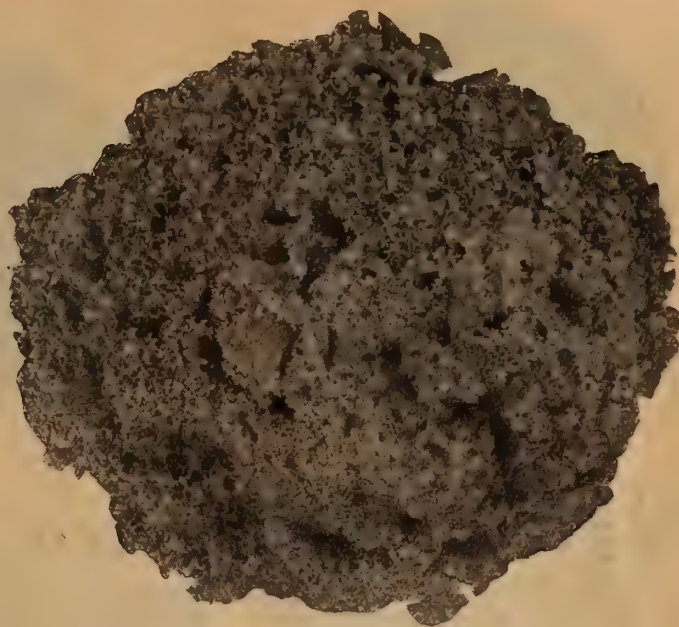


ELEPHANT LEEK

Lettuces for Every Garden Month



ABOVE, LEAF LETTUCE
GRAND RAPIDS
LEFT, OUR STRAIN OF NEW YORK



QUICK, tender growth is necessary for quality lettuce. Our strains are selected for earliness, together with vigor in hot weather and slowness in running to seed, which is all important in our midwestern summers. Discovery that green leaves are richer in Vitamin C than blanching leaves is reviving the popularity of leaf lettuces which are easiest for the amateur to grow. For success with head lettuce, start early indoors, and transplant outdoors to rich soil which can be well watered, as soon as the ground can be prepared. Lettuce soil should be heavily manured or fed well with plant food rich in nitrogen, to stimulate leaf growth.

Romaine or cos lettuce is recommended to home gardeners. It produces tender leaves of fine flavor which may be served green or may be bleached by tying up the heads; and it is as easy to grow as leaf lettuce. Head lettuce may be matured in the fall more easily than in the spring.

Quantity needed to sow: 30 ft., 1 pkt.; 250 ft., 1 oz.

LEAF LETTUCE

★**Black Seeded Simpson.** Matures in about 40 days. The excellent qualities of this variety have been constantly improved in our select strain. Its large leaves in the rich green color which give proof of Vitamin C content, are thin, tender and crisp, the inner ones forming a loose head. It is one of the most vigorous varieties in hot weather and being slow to run to seed, it gives a long harvest period. It is especially adapted to the needs of the home garden.

Vaughan's Selected Stock. Pkt., 10c; oz., 25c; ¼ lb., 65c.

GRAND RAPIDS. 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing, is a curly leaved lettuce of upright habit, permitting close planting. An excellent keeper and shipper. The leaves are light green, daintily curled, tender and crisp. The flavor is delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 15c; oz., 25c; ¼ lb., 65c.

EARLY CURLED SIMPSON. 40 days. A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

PRIZEHEAD. 45 days. A popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender. Pkt., 10c; oz., 20c; ¼ lb., 50c.

A FAST GROWING HEAVY YIELDING GREENS FOR POULTRY

NEW CHICKEN LETTUCE. 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. It sends up a stout stalk three or four feet high, loaded with leaves. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

HEAD LETTUCE

★**New York or Wonderful.** Matures in about 75 days. This is the variety grown in California and shipped the year around to eastern markets. It is the largest of all head lettuces often weighing two pounds. It matures slowly, first forming a conical head which becomes globular. It stands the hot weather well. Because of its size plenty of room must be given between plants. We offer the highly selected strain known on the Pacific Coast as No. 12. Our strain is specially selected for earliness and ability to withstand hot weather. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed, as soon as the soil is prepared. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★**Iceberg.** Matures in about 80 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. Its leaves have small indents which fill with dew drops, giving the plant a crystalline appearance, hence its name. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★**New York No. 515.** Matures in about 75 days. This is a curled, crisp heading variety, large size, dark green. It is a cross between New York and Iceberg and was bred for resistance to tip burn, to which it shows strong resistance. Excellent for the home or market garden. Pkt., 15c; oz., 30c; ¼ lb., 75c.

★**Improved Hanson.** Matures in about 80 days. This tight-heading globe-shaped variety excels especially with its vigorous growth in hot weather, which makes it well adapted to midwest conditions. It has broad leaves, beautifully crinkled, tender and sweet. The outside leaves are a deep green, and the inner ones almost white. Pkt., 10c; oz., 20c; ¼ lb., 50c.

VAUGHAN'S ALL SEASONS. 80 days. In 1879 we introduced this distinctive variety. It is still a favorite. Heads are large, solid and handsome. It stands hot weather well and is slow to run to seed. Pkt., 5c; oz., 20c; ¼ lb., 60c.

MAY KING. 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 20c; ¼ lb., 50c.

VAUGHAN'S BIG BOSTON. 75 days. With Southern gardeners who ship North, this is considered the best early large heading sort. Its earliness makes it valuable for home gardeners in the north. Large heads of bright green leaves, very tender. One of the best varieties for forcing. Pkt., 10c; oz., 25c; ¼ lb., 60c.

WAYAHEAD. 80 days. As early as May King, but larger. Pkt., 10c; oz., 20c; ¼ lb., 60c.

CALIFORNIA CREAM BUTTER. 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

UNRIVALED. 75 days. A light green strain of Big Boston. Pkt., 10c; oz., 25c; ¼ lb., 65c.

MAXIMUM OR IMMENSITY. 80 days. A heat resister and one of the largest. Pkt., 10c; oz., 25c; ¼ lb., 65c.

MIGNONETTE. 80 days. A delicious, crisp, solid, small lettuce. Pkt., 10c; oz., 25c; ¼ lb., 65c.



EXPRESS
COS

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor.

EXPRESS COS. 60 days. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

PARIS WHITE COS. 70 days. Grows to large size. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

TRIANON COS. 70 days. Similar to above, but grows whiter and matures earlier. Pkt., 10c; oz., 20c; ¼ lb., 50c.



WEAVER'S SPECIAL



HONEY ROCK



IMPERIAL

New Melons for North and South

TO ONE who has tasted a Vaughan's Milwaukee Market muskmelon ripened on the vine quality in muskmelons has a new meaning. In no other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor, small seed cavity and thick flesh.

Remember, muskmelons must ripen on the vine. Except the Honeydew, they do not improve after picking. **Quantity needed for 20 hills, 1 pkt.; 100 hills 1 oz.**

★Vaughan's Milwaukee Market.

Matures in about 87 days. This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding on our Michigan farms, and has reached its highest point in seed from hand-cut, inspected melons. **Seed from hand-cut, inspected melons—Pkt., 15c; oz., 30c; ¼ lb., 75c.**

Standard Seed—Pkt., 10c; oz., 25c; ¼ lb., 60c.

★Honey Rock (or Sugar Rock). 80 days.

A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size. An excellent home garden variety. **Pkt., 10c; oz., 25c; ¼ lb., 60c.**

★Weaver's Special. 85 days.

Same season of Milwaukee, but flavor more like Honey Dew. Outer skin very pale nearly smooth with some netting. Excellent flavor. **Pkt., 10c; oz., 35c; ¼ lb., 75c.**

★Imperial. 85 days.

Pale cream color skin with small amount of coarse netting, but looking quite smooth. Yellow flesh and a faint Honey Dew flavor. Season of Milwaukee, very similar to Weaver's Special, but smaller and more subject to cracking. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

★Hearts of Gold. 88 days.

The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. Quality fine grained, not stringy and of the sweetest flavor. Size and shape—just right, so it may be served cut in halves. Flesh and color—deep orange, extremely thick. **Pkt., 5c; oz., 20c; ¼ lb., 50c.**

★Bender's Surprise. 90 days.

Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet with almost no stringiness. An excellent home garden variety. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

★VAUGHAN'S PAUL ROSE. 88 days.

Another introduction of Vaughan's Seed Store, the result of crossing Osage and Rocky Ford. It is an ideal marketing melon. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

★PERSIAN. 102 days.

Perhaps the largest of all quality melons, but with too long a season to mature in the North. A fruit will weigh 10 lbs., almost spherical in form, heavily netted, with thick pink flesh, fine flavor. **Pkt., 15c; oz., 25c; ¼ lb., 65c.**

★VAUGHAN'S SELECT EARLY OSAGE. 87 days.

Not as large as Osage, but of equal quality. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

★EARLY KNIGHT or Sweet Air. 95 days.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

TIP TOP. 96 days. It is yellow-fleshed, sweet, juicy of finest flavor. A strong grower, and yielder. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

HONEY DEW. 110 days. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter after being picked. **Pkt., 10c; oz., 25c; ¼ lb., 60c.**

HALE'S BEST. 75 days. **Pkt., 10c; oz., 20c; ¼ lb., 60c.**

GOLDEN CHAMPLAIN. 87 days. **Pkt., 5c; oz., 20c; ¼ lb., 50c.**

BANANA. 94 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

VAUGHAN'S OSAGE GEM. 92 days. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

Watermelons

WATERMELONS may be grown under favorable conditions in the North though it requires 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines, and use only hand tools in cultivation. **Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.**

★Stone Mountain. 82 days. A new round melon having red flesh free from stringiness. Very productive and excellent for home use. **Pkt., 10c; oz., 20c; ¼ lb., 50c;**

★Stone Mountain Resistant. Pkt., 15c; oz., 25c; ¼ lb., 75c.

★Cole's Early. 80 days. The Northern States' favorite. The flesh is rich, deliciously sweet and crisp. It is about 20 inches long, 12 inches through; not a good shipper. **Pkt., 10c; oz., 15c; ¼ lb., 35c.**

★Dixie Queen Watermelon: latest. 80 days. The semi-round, has very thin rind but stands shipping. Has white seed and deep red flesh. One of the sweetest. **Pkt., 15c; oz., 25c; ¼ lb., 60c.**

★Red Russian. 75 days. Outside very similar to Harris Early with strippings a little narrower. Flesh very deep pink, brown seeds, thin rind and very solid center. Few days earlier than Harris but preferable eating quality. **Pkt., 15c; oz., 30c; ¼ lb., 75c.**

KLONDYKE. 90 days. This is known as the best long black watermelon grown in California. The seeds are small, flesh a deep red. It has a remarkable flavor, stands short distance shipping but is more of a home type. It is 22" long, 8" in diameter 25 to 30 lbs. **Pkt., 10c; oz., 20c; ¼ lb., 45c.**

TOM WATSON. 92 days. The flesh is rich red; tenderly melting. **Pkt., 10c; oz., 15c; ¼ lb., 35c.**

SWEET SIBERIAN. 86 days. A very early variety of Russian origin. The melon is dark, of medium size, with yellow flesh of superb quality. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

EMERALD GEM. 87 days. **Pkt., 5c; oz., 20c; ¼ lb., 50c.**

MANGO MELON OR VEGETABLE PEACH. Makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

THE ROCKY FORD TYPE

ROCKY FORD NETTED GEM. 96 days. Of the green-fleshed muskmelons Rocky Ford is the recognized standard of excellence. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

POLLOCK. 10-25. 98 days. Salmon tint. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

EDWARDS PERFECTO. 96 days. "Salmon-Fleshed Rocky Ford." **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

WATERMELONS—Continued

NEW WONDER. 87 days. Similar to Kleckley's in shape, but larger and has harder rind. **Pkt., 10c; oz., 15c; ¼ lb., 45c.**

IRISH GREY. 90 days. A mottled greenish grey, equal of any. **Pkt., 10c; oz., 20c; ¼ lb., 45c.**

WILT RESISTANT PRIDE OF MUSCATINE. 92 days. Watermelon Wilt has become serious in some sections. By breeding and selection, this strain of Kleckley's has been secured that is quite resistant. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50**

State Certified Stock—Pkt., 15c; oz., 25c; ¼ lb., 60c.

CITRON. 90 days. For preserves. **Pkt., 10c; oz., 15c; ¼ lb., 35c.**

WINTER WATERMELON. Like Honey Dew, in size and long-keeping qualities. Prolific, and excellent flavor. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**



RED RUSSIAN

OTHER GOOD WATERMELONS

RATTLESLAKE OR GYPSY STRIPED. 85 days.

ALABAMA SWEETS. 90 days.

HALBERT HONEY. 87 days.

HARRIS EARLIEST. 80 days.

Any of above: **Pkt., 10c; oz., 15c; ¼ lb., 35c.**



VAUGHAN'S MARROWFAT PARSNIPS

Parsnips

PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide. **Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.**

★Vaughan's Marrowfat. The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high-class variety. In richness of flavor it is unequalled. For exhibition purposes it is a winner. Pkt., 10c; oz., 20c; ¼ lb., 45c.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth, but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c; ¼ lb., 40c.

HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved.) Smooth, large, tender and sugary; one of the best. Our strain is a good selection. Pkt., 5c; oz., 15c; ¼ lb., 35c.

IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c.

VAUGHAN'S NEW INTERMEDIATE. This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested. Pkt., 10c; oz., 15c; ¼ lb., 40c.

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

Rich and mellow soil is desirable for best results. When the plants are well up thin to 8 to 12 inches in the row. When the plants of the curled varieties are about three inches high, cut off all the leaves. New growth will be brighter and better curled.

The rooted parsley provides excellent flavoring for soups and stews. **Quantity needed to sow 50 ft., 1 pkt.; 200 ft., 1 oz.**

★Vaughan's Champion Moss Curled. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. Pkt., 10c; oz., 25c; ¼ lb., 50c.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and flavor. Pkt., 10c; oz., 25c; ¼ lb., 50c.



HAMBURG ROOTED PARSLEY

New Giant Peppers

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family. **One packet produces 75 plants; one ounce, 1000 plants.**

★California Wonder. A mild, sweet, mid-season variety, very large, measuring 4 ½ inches in length by 4 inches in diameter. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. One of the heaviest peppers grown, not as prolific as some but much more desirable. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.25.

WORLD BEATER. Fruits 5 inches long by 3 ½ in diameter; flesh thick and mild; very productive and a good shipper. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

CRIMSON GIANT. One of the earliest large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe; flesh thick, sweet, and mild. Pkt., 10c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50.

CHINESE GIANT. The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe. Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50.



MAGNUM DULCE

RUBY KING

CALIFORNIA WONDER

HUNGARIAN

★Vaughan's Giant Magnum Dulce.

This fine mild pepper can be grown to immense size—seven inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.25.

★Harris' Early Giant. This is the heavy yielder among the large peppers. It is also earlier than other large kinds. The plants are vigorous, 18 inches tall; and the peppers 4 by 4 ½ inches. Color, deep green turning to red; flesh thick and very sweet. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.25.

HUNGARIAN. A long, slender type of hot pepper much prized for canning. It is 1 ½ inches in diameter at the base and often 10 inches long. Pale green turning to a rich red at maturity. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.25.

RUBY KING. One of the most popular varieties, growing 4 ½ to 6 inches long, 3 ½ to 4 inches thick. The peppers are a bright ruby-red and are among the best sorts for pickles. Quite sharp in flavor. Pkt., 5c; oz., 45c; ¼ lb., \$1.25.

BULL NOSE, HOT. A pungent very early pepper. Pkt., 10c; oz., 45c; ¼ lb., \$1.40.

PIMENTO PERFECTION. Flesh extremely thick and very mild. Must be started early in the North to mature. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

LARGE BELL. Large blocky fruit, usually mild. Pkt., 5c; oz., 45c; ¼ lb., \$1.40.

CAYENNE. Long, red and very hot. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

VAUGHAN'S SWEET MOUNTAIN. The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh is very mild and thick. The peppers often grow 6x4 inches. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

OTHER PEPPER SORTS

SWEET SPANISH MONSTROUS. Very mild to the taste. Late maturing. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

GOLDEN QUEEN. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

TABASCO. Hottest of all. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

RED CHILI. Good hot pickling. Pkt., 10c; ½ oz., 50c; oz., 75c; ¼ lb., \$2.25.

VAUGHAN'S XXX PARSLEY. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. It also is valuable in the hotbed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe. Pkt., 10c; oz., 20c; ¼ lb., 50c.

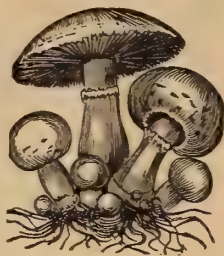
PLAIN or ITALIAN. The leaves are not curled. However, the flavor is excellent and plant is very hardy. Pkt., 5c; oz., 15c; ¼ lb., 35c.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety. Pkt., 5c; oz., 15c; ¼ lb., 40c.

HAMBURG ROOTED or GERMAN. The root resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Grow Your Own Mushrooms

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We give FREE with orders for our Mushroom Spawn a leaflet, "How to Grow Mushrooms."



Ask for Directions, How to Grow Mushrooms on Lawns and Pasturelands.

PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One carton equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. The Spawn is dried thoroughly and wrapped in paper and packed in cartons, with full directions how to grow mushrooms.

Per carton.....\$ 0.90 25 cartons for...\$18.75
12 cartons for... 9.00 50 cartons for... 36.50
If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in Pure White and Cream.
Per brick.....\$ 0.35 Per 10 bricks....\$ 2.75
Per 5 bricks.... 1.50 Per 25 bricks.... 5.50
Per 50 bricks.... 10.00 Per 100 bricks... 18.00
If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.
Mushroom Cartons—lb. size \$1.75 per 100 or \$16.00 per 1000, postage at zone rate, 100 cartons weighing 11 lbs.

Mustard

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

CHINESE SMOOTH. Large, light green, smooth leaves, borne well above the ground. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c.

FLORIDA BROADLEAF. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c.

IMPROVED OSTRICH PLUME (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

SOUTHERN CURLED LONG STANDING. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

WHITE. Good for general use. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 65c.

New Greens

TENDERGREEN. A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is the only vegetable that is ready for table or market in 21 to 25 days after planting, and will produce 8 to 9 crops a year. An excellent addition to the list of greens. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy. Matures in about 50 days.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.
WHITE VELVET. Produces pods larger than any other. Pkt., 10c; oz., 15c; ¼ lb., 25c.

TALL or PERKINS MAMMOTH. The long pods, measuring 4 and 5 inches, are produced in great quantities. Pkt., 10c; oz., 15c; ¼ lb., 25c.

DWARF LONG POD. Low, stocky and productive, with long pods as illustrated. Pkt., 10c; oz., 15c; ¼ lb., 25c;



WHITE

RED

YELLOW

VAUGHAN'S BOTTOM ONION SETS

Onion Sets and Plants

THE first home garden harvest in the spring is young onions from sets. If perennial sets are planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

Quantity needed for 75 to 100 ft., 1 qt.

WHITE BOTTOMS. Our sets of these are very choice, small, dry and unsprouted. Pt., 25c; qt., 35c; ½ pk., 85c; pk., \$1.50.

YELLOW BOTTOMS. Fine dry sets, medium in size and unsprouted. Pt., 20c; qt., 30c; ½ pk., 75c; pk., \$1.25.

RED BOTTOMS. Bright, deep red in color, even and dry. Pt., 20c; qt., 30c; ½ pk., 75c; pk., \$1.25.

GLOBE SETS. Red, yellow and white. Pt., 25c; qt., 40c; ½ pk., 95c; pk., \$1.75.

EGYPTIAN OR RED PERENNIAL. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce Green Onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell in fall only, to be planted for early spring crop. Pt., 25c; qt., 40c; ½ pk., 95c; pk., \$1.75.

WHITE MULTIPLIERS. Especially valuable for the First Early Spring Bunch Onion. They are of a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions from other sets. There are usually several stalks from a single bulb and in this way they are very productive. Their most important quality is extreme earliness, being ready for eating ahead of any other kind. Pt., 25c; qt., 40c; ½ pk., 95c; pk., \$1.75.

SHALLOT'S OR YELLOW MULTIPLIERS. Flavor much superior to ordinary onions. Pt., 25c; qt., 35c; ½ pk., 85c; pk., \$1.50.

GOLDEN GLOBE. Sets, Pt., 25c; qt., 35c; ½ pk., 85c; pk., \$1.50.

BERMUDA ONION PLANTS

These are especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern gardens, to produce sweet, mature onions of Bermuda quality. Ready April 1st. Per 100, 30c, postpaid. Per 1000, \$2.00, postage extra; wt., about 6 lbs.

The largest onions may be grown from sets ½ to ¾ inches in diameter. Golden Globe or Riverside sets are best for this purpose.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

Onion Seed of Flat and Pickling Types

WHITE PORTUGAL OR SILVERSKIN. 95 days.

This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

BROWN AUSTRALIAN (Flat). 95 days. A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder, and a long keeper; keeps well in warm climates. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.00.

ITALIAN ONION SEED

VAUGHAN'S PICKLING. 70 days. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

WHITE PEARL. 70 days. Remarkable for earliness and very mild flavor, it is small and white-skinned. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

GOOD
PICKLERFINE
KEEPER

WHITE PORTUGAL

WHITE BARLETTA. 65 days. Beautiful waxy white. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

STRASBURG OR YELLOW DUTCH. 100 days. Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you backyard Bermudas with little trouble.



OKRA DWARF LONG POD IN OUR TRIALS

Superior Onion Seed



TYPICAL FRUIT OF RIVERSIDE SWEET SPANISH ON A 9-INCH DINNER PLATE

ONIONS are of two general types, the hard, dry type grown for winter use, in which uniformity of shape, thickness of skin, and size are quality points; and the much larger, juicier and milder Spanish or Bermuda type, which is eaten raw in salads in both the sprout and the bulb stage.

For the production of green onions, both types are used, as well as bunching varieties which are especially suited to this use. For green onions in the home garden we especially recommend Riverside White Spanish, White Bunching and Ideal White Globe.

Our strains are grown from mature onions which have been carefully inspected for conformation to type, and excel in productiveness and uniform quality. The small additional cost over ordinary seed is insignificant compared to the great improvement in your crop. Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

SPANISH OR BERMUDA TYPE

★**Riverside Sweet Spanish.** 110 days. This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. In color it has a cream or pale yellow tint. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$2.75.

★**Riverside White Spanish.** 110 days. Largest of the Spanish type, bred from parents noted in Spain for size and mild flavor. It is unequalled for the production of tender, mild green onions for table use, and if grown to maturity produces a large white bulb of remarkable keeping qualities. We recommend it to home gardeners for eating raw both as green onions and in its mature stage. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.25.

★**Prizetaker—American Grown.** 100 days. Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

CRYSTAL WHITE WAX. 60 days. This is a pure white flat onion, very popular in the South, especially in Texas. Will make but small onions in the North. Very sweet. Teneriffe seed. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

YELLOW BERMUDA. 60 days. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Pkt., 15c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

MAMMOTH SILVER KING. 100 days. Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape. Flat, but thick. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$2.50.

AILSA CRAIG—Vaughan's Selected Stock. 115 days. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes. The shape is globular and it forms a fine thick neck. It is, for a large onion a splendid keeper; for eating raw it has no superior. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$2.75.

BUNCHING ONIONS

EARLY WHITE WELSH ONION. 100 days. The best winter bunching onion, forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

WHITE BUNCHING ONION. 60 days for bunching; 120 days to mature. A European onion for early spring and summer bunching. Makes a very nice white tender stalk. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

HE-SHI-KO Or Japanese Bunching Onion. Sow early in the spring and harvest green onions all the summer. It is much superior to the Early White Welsh in having larger leaves, longer stalks and remaining tender much longer. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

For Winter Keeping

★**Southport Yellow Globe.** 110 days. The of this ball-shaped onion is the most uniform on the market today. Our Eastern seed bulbs are hand sorted and grown under our direct supervision. The ideal Golden Yellow market onion.

Eastern-Grown Seed—Finest type; sold by us for many years. Pkt., 15c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

California-Grown Seed—Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

SOUTHPORT RED GLOBE. 120 days. A little deeper than Southport Yellow Globe, in color a rich dark red. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$2.50.

VAUGHAN'S SPECIAL YELLOW GLOBE. 90 days. ("MOUNTAIN" DANVERS.) Slightly smaller than Southport. When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

LARGE RED WETHERSFIELD. 100 days. An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

FANCY YELLOW GLOBE DANVERS. 110 days. This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe-shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

BRIGHAM YELLOW GLOBE ONION. A strain of Southport Yellow Globe, grown and selected for years by Mr. Brigham of Decatur, Mich. While not as uniform in shape it is among the best in production, and keeping qualities. It may be grown successfully on either muck or heavy soil. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

★**Golden Globe** 110 days.

An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior, making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures, same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.



OHIO YELLOW GLOBE. 110 days. Of uniform shape, beautiful color and fine size, it out-classes the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.50.

VAUGHAN'S IDEAL WHITE GLOBE. 120 days. A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 10c; oz., 45c; ¼ lb., \$1.15; lb., \$3.75.

JAPANESE OR EBENEZER. 100 days. There has been a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Japanese Onion Sets produce a much larger tonnage of marketable onions than does the old Strasburg or Danvers. Moreover, a smaller per cent of the sets run to seed. Ebenezer is a fine keeper, mild and well flavored. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

★
Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

Eat Your Own Peas Six Weeks for 25c

Sow in Early Spring
LITTLE MARVEL—Dwarf, Early
CENTURY OF PROGRESS—Dwarf,
Main Crop
GIANT STRIDE—Dwarf, Late
 1 Pkt. of Each, (3 pkts.).....25c.
 ½ lb. of each, (1½ lbs.).....60c.
 1 lb. of each, (3 lbs.).....\$1.00.

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best. It is said that the more wrinkles a pea has, the more sugar. Smooth seeded varieties are not so sweet and tender, but they can be planted earlier, as they resist rot.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drouth arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

DWARF

★**Century of Progress.** 62 days. Matures in about 72 days. This is a vigorous growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 15c; ½ lb., 30c; 1 lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

★**Laxton's Progress.** 62 days. The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Laxtonian. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

★**Little Marvel.** 60 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

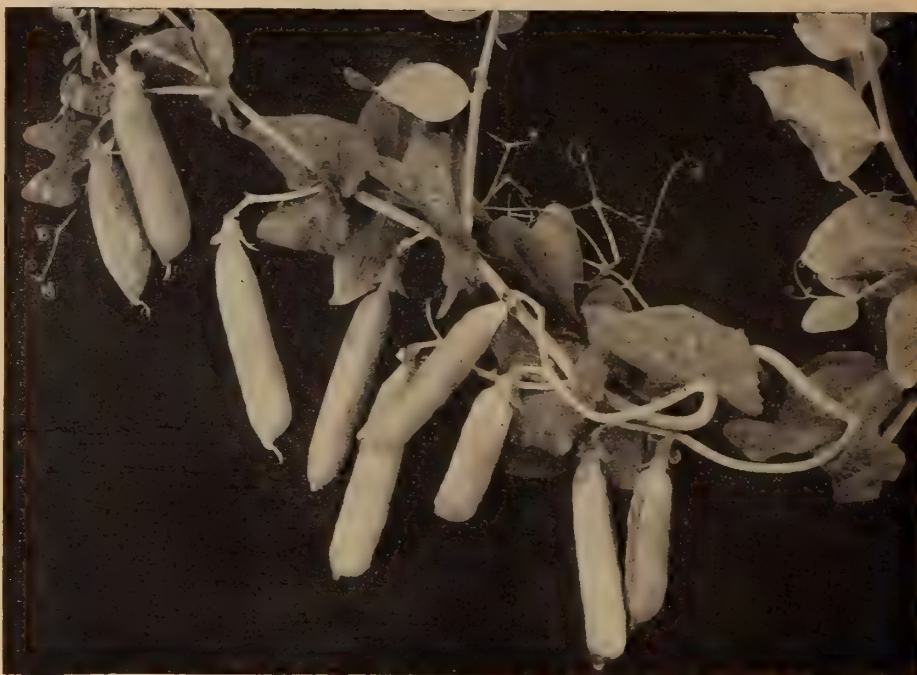
★**Giant Stride.** 80 days. Pea affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor. Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00.

★**Early Gilbo.** 69 days. A new pea from one of our oldest pea growers. Rogers Brothers have perfected what they consider one of their best market garden varieties and have named it after one of their oldest breeders. Vine 24-28 inches tall, very dark and heavy. Pod 4½-5 inches long by ½ to ¾ inches wide, of the Dwarf Alderman type. Season 69 days. Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 90c.

★**NOTT'S EXCELSIOR.** 58 days. Almost as early as the round seeded varieties but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 10c; ½ lb., 25c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.



LAXTON'S PROGRESS



TYPICAL CLUSTER OF LITTLE MARVEL PEAS

★**LAXTONIAN.** 62 days. The New Dwarf Gradus. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It excels in size, appearance and productivity. Pkt., 10c; ½ lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

★**SUTTON'S EXCELSIOR IMPROVED.** 64 days. It is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. It is very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, and dark green color. Pkt., 10c; ½ lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

★**AMERICAN WONDER.** 60 days. Is an extra early dwarf wrinkled pea, of standard quality. The vines are 10 to 12 inches high. Pods are firm and well filled. Pkt., 10c; ½ lb., 25c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

★**EXTRA EARLY PREMIUM GEM OR LITTLE GEM.** 58 days. An early dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long. Pkt., 10c; ½ lb., 25c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

★**DWARF TELEPHONE OR DAISY.** 72 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; ½ lb., 35c; 2 lbs., 50c; 5 lbs., \$1.15.

★**DWARF DEFENCE OR STRATAGEM.** 75 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Pea Cultural Notes

Peas are a cool-weather crop. They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil, but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop. Peas must be cultivated faithfully and when the first crop is finished, they should be pulled up, for they will bear no more.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire, or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

★World's Record or Improved Gradus.

58 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.35.

★**VAUGHAN'S SELECT EXTRA EARLY.** 56 days. (First and Best.) (Maud S.) Vines are 20 to 26 inches high, pods 2½ to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor and tenderness are the qualities for which our strain is known. Seed white, round and smooth; crop ripens evenly and extra early. Pkt., 10c; ½ lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00.

★**THOMAS LAXTON.** 62 days. This is a selection of Gradus. The season is identical but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; ½ lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

★**ALASKA—CALLED EARLIEST OF ALL.** 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; ½ lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00.

Tall Peas Yield Best

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequaled for length of season, heavy yielding and high quality. Support should be given, and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

★Vaughan's Improved Telephone.

72 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.35.

CHAMPION OF ENGLAND. 80 days. This is a late season tall pea. The vines grow about 5 feet high, are very vigorous and productive. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

ALDERMAN. 72 days. This mid-season pea is tall-growing of English origin, and a few days later than Vaughan's Improved Telephone. Exceedingly vigorous and immensely prolific. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.35.

EVERBEARING. 76 days. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

BLACK-EYE MARROWFAT (Late). 80 days. A great yielder of ordinary quality peas. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00.

WHITE MARROWFAT. 72 days. Similar to Black Eye. Popular heavy yielder. Pkt., 10c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00.

EDIBLE POD PEAS

(Cooked like String Beans)

MAMMOTH PODDED SUGAR. 70 days. A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

DWARF GRAY SUGAR. 62 days. Vines 16 inches. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

A Season's Programme

Three varieties of peas to be planted at the same time to mature successively.

LAXTON'S PROGRESS IMPROVED TELEPHONE CHAMPION OF ENGLAND

1 pkt., each of above, 25c, post-paid.

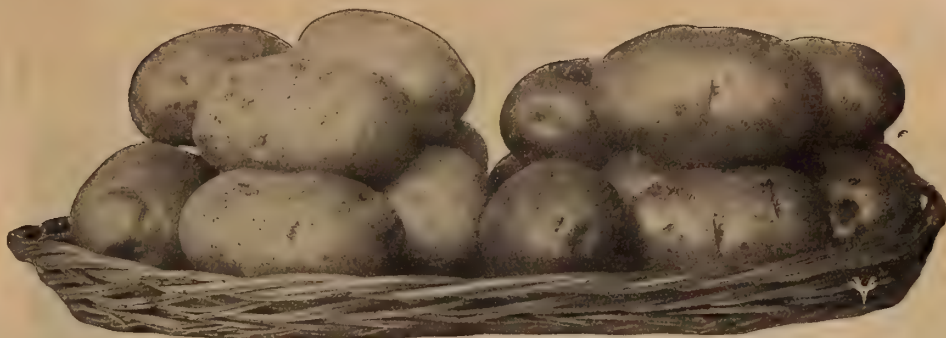
1 lb., each (3 lbs.) of above, \$1.10. Exp. not prepaid.

Inoculate Peas For Good Yield

Peas, Beans and Sweet Peas belong to the Legume family—plants that bear their seed in a pod. All legumes form a partnership at the roots with bacteria that are able to secrete nitrogen and give it to the plant. They form on the roots in colonies looking like lumps, called nodules. To stimulate these germs it is necessary to "inoculate" the seed. All agricultural authorities advise inoculation of legumes.



Pkt., 10c.
Garden Size, 25c



IRISH COBBLER

VAUGHAN'S IMPROVED EARLY OHIO

Northern Potatoes

CERTIFIED STOCK

WE offer Michigan and Minnesota certified stock inspected while growing by authorized state agents and found free from serious diseases and varietal mixture and from vigorous fields. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed.

Certified Stock of any variety listed except Warba. ½ pk., 50c; pk., 85c; ½ bu., \$1.50; bu., \$2.75; 100 lbs., \$4.25.

The prices in this catalog represent values at the time this book went to press and are subject to market changes.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the East and the latter in the West. One of the rural types is recommended for the late crop.

WARBA RESISTANT. Warba is a new potato bred by the Minnesota Experiment station, which is early, highly productive, resistant to mosaic disease, with upright compact vines. Tubers of excellent cooking quality and uniform size are round and blocky, of white flesh and pale skin with pink eyes, ten days earlier than Early Ohio. Lb., 25c; 5 lbs., 50c; pk., 85c; ½ bu., \$1.50; bu., \$2.65.

VAUGHAN'S IMPROVED EARLY OHIO (RED). A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. ½ pk., 45c; pk., 75c; ½ bu., \$1.25; bu., \$2.25; 100 lbs., \$3.50.

To protect potatoes from scab, dip the seed potatoes just before planting in a solution of Semesan Bel. Four ounces, 45c; lb., \$1.50. One pound treats 60 bushels.

EXTRA EARLY SIX WEEKS—The standard early potato in the South. It is round, reddish skinned, rather deep eyes and of medium size. As they appear early in the spring on the northern market they command a large premium. ½ pk., 45c; pk., 75c; ½ bu., \$1.25; bu., \$2.25; 100 lbs., \$3.50.

IRISH COBBLER—EARLY HEAVY CROPPER.

An early of medium size, and in light soil maturing almost as soon as the smaller cropping earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota. ½ pk., 45c; pk., 75c; ½ bu., \$1.25; bu., \$2.25; 100 lbs., \$3.50.

RURAL NEW YORKER, No. 2. Very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. Known everywhere as "Dusty" Rural. ½ pk., 40c; pk., 70c; ½ bu., \$1.15; bu., \$2.15; 100 lbs., \$3.25.

RUSSET RURAL OR PETOSKEY. A superb late variety. Remarkable on account of its freedom from disease. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities. ½ pk., 40c; pk., 70c; ½ bu., \$1.15; bu., \$2.15; 100 lbs., \$3.25.

CARMAN No. 3. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. ½ pk., 40c; pk., 70c; ½ bu., \$1.15; bu., \$2.15; 100 lbs., \$3.25.

SWEET POTATOES

We offer Yellow Jersey (the most popular Northern sort). Grown especially for seed, 10 lbs., 85c; bu., \$2.25; by express collect only.

Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

★Autumn, Bush, or Everbearing. 1 2 0

days. For the first time we offer a genuine bush form pumpkin, a boon for the home garden where space is limited. On a bush similar to that of Italian marrow requiring a space 4 ft. square, it bears large pumpkins, excellent for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Vaughan's Small Sugar Pie Pumpkin.

120 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

★Large Field or "Big Tom" 120 days. The standard pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

VAUGHAN'S MAMMOTH PRIZE. 120 days. Specimens have grown to 100 lbs., notwithstanding it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

WINTER QUEEN OR WINTER LUXURY. 100 days. A quality pie pumpkin and the best Winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

SWEET POTATO. 120 days. Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.



VAUGHAN'S SMALL SUGAR PIE

JAPANESE PIE. 115 days. Fine quality, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

LARGE TOURS OR MAMMOTH FRENCH. 120 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

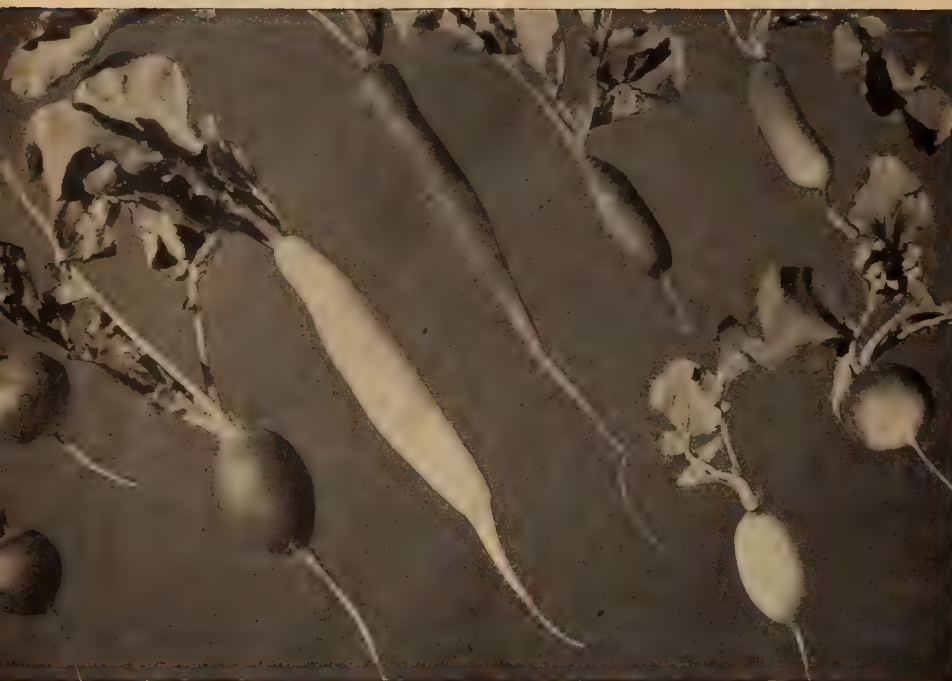
LARGE CHEESE. 120 days. Large, flat like a cheese box. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

CUSHAW WHITE, CUSHAW STRIPED OR CUSHAW GOLDEN. 120 days. Popular Southern sorts; fine flavor. Either one. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.



IMPROVED
TELEPHONE

Radishes From Spring to Christmas



Scarlet Turnip White Tip
Saxa

Brightest Long Scarlet
Scarlet Globe

Brightest Long Scarlet
Icicle

Vaughan's 20 Day
Earliest White Olive

French Breakfast
Sparkler

THE fact that radishes are so easy to grow should not blind you to the great difference in quality between fine strains, selected for size, uniformity, color and flavor, and the nondescript product of ordinary seed.

Radishes are probably grown more generally than any other vegetable; and they have been grown for many centuries. No doubt varieties now offered were known in Queen Elizabeth's time. Improvement has been chiefly in shortening maturity time, until now early varieties are ready to eat in twenty days from sowing.

Our strains are grown with the greatest care, which involves considerably increased cost; but the additional cost is small compared with the great difference in your crop.

Radishes supply the first home garden harvest in the spring, and winter radishes may be enjoyed as late as New Year. Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner; so they must be harvested promptly and will not enjoy hot weather. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

★**Early Scarlet Globe Forcing** (F). 20 days. Vaughan's Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright, scarlet in color, of uniform globe-shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

Vaughan's Select Stock—Pkt., 15c; oz., 25c; ¼ lb., 45c; lb., \$1.25.

Standard Stock—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

★**Scarlet Turnip White Tip**. 20 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color, with white tip and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for Open Ground.—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Standard Stock—Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 75c.

★**Giant Butter**. 28 days. This is by far the largest of early turnip radishes. By careful selection, has been bred true to type. It is vivid scarlet and stands for an unusually long period without becoming pithy and is highly recommended for home gardens. Can be planted throughout the summer. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

★**Icicle**. 25 days. The finest white which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c.

★**EARLIEST WHITE OLIVE (F)**. 18 days. Earliest of all radishes—matures in 15 to 18 days after sowing. This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



SCARLET GLOBE

SAXA (F). 20 days. This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.25.

EARLY LONG SCARLET SHORT TOP. 28 days. A long, straight, smooth, red radish; it grows partly above ground; developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

CRIMSON GIANT (F). 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

BRIGHTEST LONG SCARLET. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

VAUGHAN'S ALL SEASONS. 35 days. May be sown from spring to autumn and used at all stages of growth; a round scarlet. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.10.

VAUGHAN'S 20-DAY (F). 20 days. The quickest Red Olive-shaped radish, matures in 20 days; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

IMPROVED FRENCH BREAKFAST (F). 20 days. Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

CINCINNATI MARKET. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

EARLY DEEP SCARLET TURNIP. 22 days. An old stand-by. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

EARLY SCARLET GLOBE WHITE TIP. 22 days. Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.10.

SUMMER RADISHES

When hot weather comes, and spring varieties would turn pithy or run to seed, the varieties listed below will keep in good condition for a long time, and furnish a most welcome tang to the salad course. Note that they mature more slowly, so sow them early enough. All of the following:

Price, pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

LONG WHITE VIENNA. 32 days. Snow white, very brittle and crisp.

WHITE STUTTGART. 35 days. A turnip-shaped, large white radish.

WHITE STRASSBURG. 42 days. Larger size and thicker than Vienna. Very solid.

WINTER RADISHES

These should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

THE MUNICH. 65 days. The German knows this as the Beer Radish. Grows from 6 to 8 inches in length; broad at the shoulder, white, thin skin; mild and delicious. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

Prices of each of the following: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

CALIFORNIA MAMMOTH WINTER. 55 days. Long, very large size.

ROSE OR SCARLET CHINA. 52 days. Rose, medium size, fine keeper.

CHINESE MAMMOTH OR CELESTIAL. 55 days. Immense size, flesh always crisp and mild.

BLACK SPANISH, LONG. Black skin and white flesh.

BLACK SPANISH, ROUND. 58 days. Like Long Black, only round.

SAKURA JIMA. 65 days. A Japanese radish of immense size. In shape it is oval with cream-colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

(F) Forcing Sorts.

Rhubarb

★**Flare.** A variety of erect, compact habit, medium leaves 23 inches long, with stalks of attractive red extending from base almost to tip. Flesh is of fine texture, tender, juicy and crisp. Pkt., 15c; ½ oz., 50c; oz., 85c.

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

VICTORIA. A popular red strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. If to go by mail allow for postage.

Strawberry, Divisions 1-year.....	Each	3	10
2-year.....		40	85 3.00

Victoria, 1-year.....	25	45	1.25
2.....	30	60	1.50

Linnaeus, 2-yr.....	30	60	1.50
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McDonald Crimson, Canadian variety of rich red color, low acidity, thin skin, fine grain and fruity flavor. Divisions... 65 1.75

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground over winter.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Garden Sorrel

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

Swiss Chard

★**"Cut and Come Again."** 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaflet of recipes enclosed upon request. Pkt., 5c; oz., 15c; ¼ lb., 30c.



SWISS CHARD

LUCULLUS SWISS CHARD. 55 days. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c; ¼ lb., 35c.

LARGE WHITE RIB. (Dark Green.) The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide, which makes an excellent substitute for asparagus when cooked with milk. The leaves are fine for greens. Pkt., 10c; oz., 15c; ¼ lb., 35c.

FORDHOOK. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 15c; ¼ lb., 35c.



VIKING SPINACH, ALL AMERICA WINNER

Modern Spinaches

Bred for Thicker Leaves, Longer Season of Use

SPINACH delights in cool moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adapted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

★**Viking.** 45 days. This 1935 All America winner bears largest leaves of the thick-leaved type; and is almost as long-standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

★**King of Denmark.** (Antvorskov). 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★**Bloomsdale Long Standing.** 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark) having larger and Savoy type leaves. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★**Nobel Giant Thick Leaved.** 45 days. The seed of this thick-leaved variety produces the largest spinach under cultivation. They grow rapidly and remain in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent, and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★**Bloomsdale Dark Green.** 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

PRINCESS JULIANA. 50 days. This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious; i. e., there are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seed much later than male plants. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

OLD DOMINION. 40 days. The same as Virginia Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long standing qualities which permits early fall planting. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 90c.

VAUGHAN'S TRIUMPH SPINACH. 40 days. Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warty, and tender. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

VAUGHAN'S SPECIAL. 50 days. An early smooth leaved spinach being more upright in growth than other spinaches and nearly a long standing variety. Easily cleaned and very tender. Pkt., 10c; oz., 20c; ¼ lb., 30c; lb., 85c.

VAUGHAN'S GIANT FILLBASKET. 50 days. The very largest Early Spinach, the result of careful re-selection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

VICTORIA SPINACH. 50 days. Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

BLOOMSDALE or NORFOLK SAVOY-LEAVED. 40 days. Is a very hardy sort; the leaves are very thick and blistery, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

★**New Zealand Spinach.** Tetragonia Ex-pansa. 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Tobacco Seeds

BIG HAVANA. A hybrid Havana. Pkt., 10c; ¼ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

CONNECTICUT SEED LEAF. Best adapted to climate of Middle and Northern States. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

BURLEY. The popular Kentucky sort. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

Newer Squashes and Marrows

SQUASH are growing in popularity with home gardeners. They must be sown in warm, rich soil in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they oftentimes are relished by persons who dislike them when mashed and boiled.

★Acorn, Table Queen, or "Des Moines."

58 days. We can truly say that the height of Squash quality is still unknown to one who has not eaten half a Table Queen baked and buttered. In size Table Queen equals a fair sized husked coconut, and a half, baked, serves one person amply. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green changing to bright golden after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. (Cucurbita Pepo.) Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

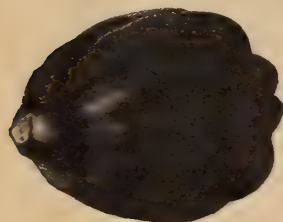


TABLE QUEEN

★New Squash "Kitchenette" (Hubbard).

110 days. A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard. The squash average about 5 pounds. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

★"Sweet Potato." 55 days.

A valuable addition to the list of small squashes, is of fine flavor, becoming a popular feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen. The fruit averages 6 to 8 inches long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. (Cucurbita Pepo.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

★Vaughan's Chicago Warty Hubbard.

120 days. Vaughan's Chicago Warty Hubbard Squash has been bred to the highest quality; fruits are large, rough dark green skin, flesh is bright orange, fine grained, rich and dry. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.



ZUCCHINI

COCOZELLE

YELLOW SUMMER CROOKNECK

GOLDEN HUBBARD. 110 days. Like original Hubbard, and warty, but average one-half to one-third smaller. The skin is deep orange yellow, flesh golden yellow, fine grained and delicious. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

ORIGINAL HUBBARD. 120 days. Not as large as Chicago Warty, but in shape and quality it is similar. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

BLUE HUBBARD. 125 days. Similar to original Hubbard in shape and size, quality superior, an excellent winter keeper, having a blue gray shell. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

DELICIOUS. 115 days. A fall and winter variety. The fruit varies in shape, weight ranging from 5 to 10 pounds each. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

BENNINGS' BUSH. White bush type, small, light green markings. Use when young. If allowed to get mature they lose their best flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

MAMMOTH WHITE BUSH. 60 days. An improved selection of "Early White Bush," much larger and deeper, has fewer scallops, and is a heavier producer. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

YELLOW BUSH. 60 days. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

MAMMOTH CHILL. 120 days. A popular exhibition sort. Specimens grow as large as 100 pounds. Rich orange yellow color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

EARLY WHITE BUSH. 55 days. (Cucurbita Pepo.) Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

YELLOW SUMMER STRAIGHTNECK. 55 days. This is a desirable improvement over the crookneck type. It will pack easier and produce as heavily. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

GIANT YELLOW SUMMER CROOKNECK. 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

BANANA SQUASH. 120 days. One of the finest fall and winter squash. Of sweet potato quality, free from stringiness. 12 inches long, 6 inches in diameter, tapering at either end. Gray green color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

VEGETABLE MARROWS

★New Italian Marrow or Zucchini.

60 days. (Cucurbita Pepo.) When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small and if kept picked, will continue to bear until frost. Delicious in the "baby" stage, 3 to 6 inches long. There are two strains, one light green with lighter markings, the other dark green or almost black. Both are the same shape and size but the dark is preferred by many.

Light Green Strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Dark Green Strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

COCOZELLE (ITALIAN VEGETABLE MARROW). 60 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

ZUCCA DE PERGOLA. 65 days. (Cucurbita Pepo.) Grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

VEGETABLE MARROW. 55 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Turnips for the Table

TURNIPS are cool weather plants and thrive best in spring and fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas after a touch of frost are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

★Purple Top White Globe.

55 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50 (by express).

★PURPLE TOP STRAP-LEAVED.

45 days. A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grained splendid quality. Top is dark red or purple, elsewhere white, fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50 (by express).

★GOLDEN BALL or ORANGE JELLY.

65 days. Medium size, globular table turnip. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★EARLY SNOWBALL.

50 days. Small, white, grows quickly, splendid table quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

★SHOGUN.

A Japanese turnip used principally for greens. The root is small but the top is like mustard tops. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

★EARLY WHITE MILAN.

40 days. This can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.



PURPLE TOP WHITE GLOBE TURNIP

YELLOW STONE. 75 days. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

SEVEN TOP. 45 days. A variety much grown in the South for the tops, which are used as greens. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

LARGE YELLOW or AMBER GLOBE. 75 days. Fine quality and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

EXTRA EARLY PURPLE TOP MILAN. 40 days. An excellent medium size turnip; smooth white surface, purple top, flat shape, white flesh. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Table Rutabagas

Mature in 100 days

★Vaughan's Improved American Purple Top

is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., \$3.50.

BANGHOLM DANISH. Yellow flesh, purple top. This variety has excellent table quality. Danish pedigree seed. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., \$3.50.

WHITE SWEDE. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., \$3.50.

CANADIAN GEM. Round medium size, quick growing, purple top, yellow flesh. It resists mildew and is of excellent flavor. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

SWEDES AND RUTABAGAS FOR STOCK

Mature in 100 days

MONARCH. A stock crop for early feeding, oblong shape, yellow flesh, fine grain, good flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., \$3.50.

TURNIPS FOR STOCK

COW HORN or LONG WHITE. 65 days. Grows nearly half way out of the ground, carrot-shape, pure white. Oz., 10c; ¼ lb., 25c; lb., 60c.

Best Bred Tomatoes

WE have specialized for years in highly selected strains of tomato, many grown on our own farms, and others produced by specialists under contracts which require the rigid selection of fruits from which seed is saved. With the growing importance of disease resistant strains, we have conducted our own trials of each improved resistant variety introduced, and offer originators' strains of those which have proved their merit.

Home gardeners as well as market growers will find that quality strains of tomatoes excel other seed of the same variety to so great an extent, that the size and quality of their crop will be affected far in excess of any difference in the price of seed.

Tomatoes should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner.

Quantity needed for 150 plants, 1 pkt.; for 2,000 plants, one ounce.

★**Ponderosa—The Giant Tomato.** ^{Matures in about 118 days.} Of the large fruited varieties, this one is most popular. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

★**Oxheart.** ^{Matures in about 120 days.} Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but large size, often weighing 3 lbs. or more. Skin, pink, almost seedless, firm, sweet flesh frequently two in. thick without a seed cavity, slices well. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00.

GOLDEN OXHEART. 120 days. Similar in all respects to Oxheart except that the skin and flesh are of a beautiful golden yellow. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00.

DWARF PONDEROSA. 118 days. Fruits as large and in all respects similar to the popular Ponderosa are borne on dwarf vines of tree-like habit, suitable to gardens of limited space. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

GOLDEN PONDEROSA. 118 days. A yellow gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with Purple Ponderosa, it makes a highly decorative and appetizing salad. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

★**Vaughan's Select Earliana.** 94 days. Earliest, smooth bright red tomato. Our strain shows few, if any, of the rough fruits found among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

VAUGHAN'S AMERICAN BEAUTY. ^{Matures in about 112 days.} Our friend, the tomato connoisseur, W. E. Vail, of Yorktown Heights, N. Y., bred this prolific Globe variety. It is our highest yielding main crop purple. It is firm, smooth, of uniform size, purple cast, sub-acid, with small seed cavity. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

NEW GLOBE. ^{Matures in about 112 days.} This Ball-Shaped variety is ideal for the home garden. It yields a heavy crop and continues to bear until frost. The skin is a smooth, purplish pink; the flesh is firm and it has few seeds. Uniform fruits of the ideal size for salads or canning. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

NEW KING. 120 days. This striking variety was originated in the Chicago district and is the largest tomato that we know of. It is about the season of Ponderosa, but grows to nearly twice the size. Ripens uniformly from core to outer skin. Pkt., 20c; ½ oz., 40c; oz., 75c.

PENN STATE. 100 days. An early variety having a distinctive habit of growth. The branches end in fruit clusters after developing six to ten joints. This makes a compact bush, with fruits exposed to the sun without pruning. It bears heavily fruits of medium size, globular, dark red. Pkt., 20c; ½ oz., 60c; oz., \$1.00.

Tomato worms are quickly routed by lightly dusting the vines with a mixture of one pound calcium arsenate (35c) to ten pounds of lime or gypsum.

EARLY DETROIT (Purple). 112 days. The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty, which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.60.

BEAUTY (Purple). 112 days. Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50.

CRIMSON CUSHION or BEEF-STEAK. 120 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

MATCHLESS. 120 days. Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 90c.

JUNE PINK. 98 days. In many markets, a pink early tomato is most desired. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 5c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

Pkt., 5c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

Early Baltimore. 108 days. Illinois University selection of Marglobe, thriving on all soils, smaller fruit, solid, bright color, heavier yielder. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00.

★**Break O'Day.** 94 days. Developed by F. J. Pritchard of Washington, D.C. A new wilt-resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★**Pritchard (Scarlet Topper).** 120 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.75.

★**Marglobe.** 114 days. A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular, red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

MARHIQ. 100 days. This new resistant variety developed by the Ohio State Experiment Station is similar to Marglobe in shape, but of a good pink color. It is a heavier yielder than Marglobe. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.75.

MARVELOSA. 108 days. A pink globe. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

PRAIRIANA. 100 days. Selection of Marglobe, resistant to fusarium wilt, and productive in prairie soils, and hot summers of Illinois. Selected by University of Illinois. Fruit smaller than Marglobe, but smoother, brighter color, heavier yielder in clay soil. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00.

ILLINOIS PRIDE. 114 days. Illinois University selection of Marglobe, larger, more solid, better shipper and producer on clay soil. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00.



EARLY BALTIMORE

NYSTATE. 100 days. From N. Y. Experiment Station. A second early. Fruits large, smooth, oval; cavity shallow, blossom end well-rounded; color deep red out and crimson inside. Pkt., 20c; ½ oz., \$1.00; 1 oz., \$1.75.

MURRAY'S EARLY WONDER. 100 days. New, extra early scarlet fruited variety, exceptionally productive, nearly round, smooth, of excellent quality, good for home and market gardeners. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35.

BONNY BEST. 103 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.

VAUGHAN'S NEW YORK. 115 days. It is a second early red-skinned, firm fleshed tomato of high quality, good size and attractive appearance. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40.

AVON EARLY TOMATO. 94 days. This is scarlet-fruited, round or slightly flattened, smooth and of fine quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

DWARF CHAMPION. 124 days. Owing to its dwarf habit and upright tree-like growth it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.30.

New Disease Resistant Strains

SCARLET DAWN. 94 days. Wilt and rust resistant of deep red color, globe shape, heavy yielder. Pkt., 10c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00.

RUTGERS. 114 days. New Jersey Experiment Station cross on Marglobe. Deeper than its horizontal diameter, small seed cavity, heavy cross walls, ripens from the inside out. One of heaviest croppers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.



SCARLET DAWN, Tomato

TOMATOES—Continued

JOHN BAER. 108 days. Extra early red. Not quite so early as Earliana, though there are only a few days' difference, John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.10.

HUDSON VALLEY MAID. 100 days. This new potato-leaved variety, in trial, showed up remarkably well during a dry, off season, the potato-leaved sorts seeming to possess a hardness that few of the ordinary leaved sorts have. It is second in season, of good size, smooth and bright red. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

IMPROVED NEW STONE. 116 days. "King of the Reds." One of the best main crop varieties. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

CHALK'S EARLY JEWEL. 104 days. The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.10.

GOLDEN QUEEN. 112 days. Golden yellow. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

GULF STATE MARKET. 112 days. This globe-shaped purplish pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf states and California. The fruits are large, showing little depression around the stem, and free from cracks. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

DWARF STONE — THE LARGEST DWARF TOMATO. 132 days. This is the largest Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. In shape and size it is similar to "Improved New Stone." The fruit is red, and specimens weighing $\frac{3}{4}$ pound are not uncommon. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.40.



PEAR TOMATOES

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 120 days.

Prices of the following: Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.

RED CURRANT. Very small.

RED CHERRY. Small fruit, bright scarlet.

TWO PEACH TOMATOES. Peach shape and color. Red or Yellow.

YELLOW PLUM AND RED PLUM. Fruit about 2 inches long. 1 inch through; the one is lemon-yellow, the other plum-red.

YELLOW AND RED PEAR. Distinct shape.

GROUND CHERRY, HUSK OR STRAWBERRY. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

BONNY BEST. The most popular American variety, for forcing. Forcing strain.

GRAND RAPIDS.

NEW GLOBE.

MICHIGAN STATE

FORCING, RED.

MARHIO. Pink.

Price, any of above, pkt., 25c.

LYLOYD. Red.

BLAIR. Pink.

URBANA. Pink.

LONG CALYX. Red.

SURESET. Pink.



GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of black berries, tomato-shaped, $\frac{1}{2}$ to $\frac{3}{4}$ inch in diameter, which make excellent pies and preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c.

For the Herb Garden

INTEREST in herb gardening is reviving for two excellent reasons: the ornamental quality of herbs, and their value for contributing flavor to the menu and fragrance to the home.

To enlarge our herb list it was only necessary for Vaughan's Seed Store, which was established in 1876, to go back to old catalogs when wood cuts were used as illustrations. A few of the wood cuts are reprinted, as they show in excellent detail the habit of growth and leaves of the plants.

To keep herbs over winter, stalks should be cut on a dry day, when not quite in full bloom. They should be dried in the shade and when dry packed tightly in boxes with air excluded. Varieties marked (*) are perennials.

MIXTURE OF ANNUAL HERBS.

This is intended to meet the needs of those who want a row or bed of herbs, without buying a full packet of each variety. It contains seeds of these ten annual herbs described below: Anise, Basil, Borage, Caraway, Coriander, Dill, Marjoram, Mountain Fennel, Summer Savory and Tarragon-Russian. Sow in a row, thinning out and transplanting to proper distance. Pkt., 15c.

MIXTURE OF PERENNIAL HERBS.

For small gardens—this will give enough plants of each variety to supply the family needs. It contains seeds of these ten perennial herbs described below: Balm, Mint, Pennyroyal, Chamomile, Fennel, Lavender, Rosemary, Rue, Sage, Thyme. Sow in a nursery row and transplant in the fall to the permanent location. Pkt., 15c.

One packet of each of above herb mixtures (2 packets) for 25c.

ANISE. Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 25c.

***BALM.** Used for making Balm wine and tea. Pkt., 10c; oz., 50c.

BASIL. Sweet. The leaves are used for flavoring soups and stews. Pkt., 10c; oz., 25c.



BORAGE—GURKENKRAUT—BOURRACHE

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 25c.

CARAWAY. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; oz., 25c.

***CATNIP or Catmint.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; oz., 75c.

***CHAMOMILE (Matricaria Chamomile).** The dried flowers possess medicinal value. Pkt., 15c; oz., 50c.

***CHIVES.** Member of the onion family used for flavoring. Plants, 3 for 65c; 12 for \$2.00.

CORIANDER. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

***FENNEL.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

FENNEL, Wild or Mountain. Used for gums and medicinal purposes. Pkt., 10c; oz., 25c.

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 50c.



SWEET MARJORAM—MAJORAN—MARJOLAINE



ROSEMARY

***Lavendula spica.** Not quite so strong. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

MARJORAM (Sweet). The leaves and ends of shoots are used for flavoring in summer and dried for winter use. Pkt., 10c; oz., 35c.

***MINT, Old Fashioned.** For mint sauce and juleps. Pkt., 10c; oz., \$2.50. Plants, 3 for 65c; doz., \$2.00. By mail, add 5c each; doz., 20c.

***PENNYROYAL.** Leaves are used for seasoning puddings. Pkt., 10c; oz., 60c.

***PEPPERMINT.** The leaves and stems are used for flavoring and for oils. Pkt., 25c.

***ROSEMARY.** The leaves are used for seasoning. Pkt., 10c; 1 oz., 75c.

***RUE.** For medicinal purposes; good for fowls, for the roup. Pkt., 10c; oz., 45c.

SAFFRON. Used for coloring certain dishes, also flavoring. Pkt., 10c; oz., 45c.

***SAGE, Holt's Mammoth.** The plants attain a height of 1 ft. the first season. They are perfectly hardy and make a still larger growth the second season. Plants, 3 for 65c; 12 for \$2.50; 100, \$15.00. By mail, add 5c each; doz., 20c.

***SAGE.** Leaves and tops are used for seasoning and stuffing. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

SUMMER SAVORY. The leaves and young shoots are used for flavoring. Pkt., 10c; oz., 25c.

RUSSIAN TARRAGON (Artemisia sacrorum.) An annual form of tarragon, popular in Russia, easily grown from seed and giving the same flavor as the perennial plant. To make tarragon vinegar, steep the leaves, green or dried, in ordinary vinegar. Pkt., 25c; $\frac{1}{2}$ oz., 75c; oz., \$1.25.

TARRAGON TRUE. (Artemisia Dracunculus.) The well known Tarragon herb, will not grow from seed. Plants, 3 for 85c; 12 for \$2.50.

***THYME.** Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.

***WALDMEISTER (Asperula Odorata).** Used in May Wine and for scenting clothes. Pkt., 10c.

***WORMWOOD.** Beneficial for poultry. Pkt., 10c; oz., 45c.

Vaughan's Famous Surprise Garden Mixture

80 Different Annual Flowers . . . 25c
Growing 1 to 3½ Feet Tall. One Oz. . . .

If You Want the Thrill of Real Adventure
This Year Be Sure to Sow This Mixture.

REAL thrills in gardening are won by discovering new flowers. You can do this in your own home grounds, by sowing this mixture. It is not a collection of left-overs; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance. Your bed or row of Surprise Garden Mixture will delight you and your garden visitors from early summer until the fall freeze-up. Plant freely, but not too thickly, in a special bed or in rows in the vegetable or cutting garden. Keep watered and weeded, and remove the faded flowers. A packet with your card mailed to a friend will be a much appreciated gift.

No. 5848 Oz., 25c; ¼ lb., 80c; 1 lb., \$3.00.



Annual Flower Seeds

ABRONIA (Sand Verbena) □

Culture: A or B (May 15th), D or E (Feb.-May)

100 X 6 in. A trailing, succulent plant, with Verbena-like flowers of bright rose with white center in late summer and fall. Pkt., 10c.

ABUTILON

Culture: D or E (Feb.-March)

122 Giant Flowered Mixed (Flowering Maple). ÷ 3 to 4 ft. Its ornamental leaves are often variegated and it bears bell-shaped flowers of salmon, buff and pink in late summer. Pkt., 25c.



166 ACROCLINIUM Double Giant Mixture. Pkt., 25c.

ACROCLINIUM (Everlasting) □

Culture: A or B (May 15th-July 1st), D or E (March-May)

Its graceful, daisy-like flowers, when cut in the bud state, can be dried for winter bouquets. It blooms in 6 weeks from time of sowing. Height, 20 in.

150 Double Pink. 155 Double White.

160 Single Mixed. 165 Double Mixed.

Each of the above: Pkt., 10c.

166 Double Giant Mixture. This large-flowering type is twice the size of the preceding one, with long, stiff stems; flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 25c; 3 pkts., for 65c.

ADONIS □

Culture: A or B (March-June),

170 Aestivalis (Pheasant Eye). 1 ft. Early blooming annual with deep crimson flowers and feathery foliage. Sow where plants remain. Pkt., 10c.

171 Autumnalis (Red Chamomile). 2 ft. Of somewhat straggly growth with finely divided foliage, its flowers are rich scarlet freely produced in summer and autumn. Pkt., 10c.

Ageratum

Culture: A or B (May 15th-July 1st), D or E (February-April)

These free flowering, quick growing annuals, which bloom throughout the summer, until late fall, are invaluable as a source of the blue-lavender tones which are demanded to balance the color-effect of every planting. Varying in height from 6 in. to 3 ft., you may use them to fill many different garden roles. The taller varieties are useful for cutting.

180 Mexicanum Coeruleum. 18 in. Soft lavender-blue. Pkt., 10c; ¼ oz., 25c.

185 —White. 18 in. Pkt., 10c.

187 Purple Perfection. 8 in. (Improved Blue Perfection.) Vivid dark purple. Compact plant bearing large flowers, freely produced. Fine for ribbons, and edging. Pkt., 15c; ½ oz., 25c.

190 Tall Sorts Mixed. Pkt., 10c; ¼ oz., 25c.

196 Blue Ball. 8 in. Deep, dark blue. The plant is dwarf and symmetrical. In full bloom it is covered with small flowers, giving the appearance of a blue ball. Pkt., 15c; ¼ oz., 35c.

Blue Ball "Improved." See novelties.

Blue Cap. See Novelties.

199 Little Silver Star.

4 in. When flowering they are so thickly covered with silver grey star-like flowers that the small light green leaves are hidden. Pkt., 25c.

202 Imperial Dwarf Blue. 6 in. Of compact growth, covered with heads of feathery flowers of deep lavender. Pkt., 10c; ½ oz., 25c.

5848 Surprise Garden Mixture. Oz., 25c.

208 Little Dorrit White. 6 in. Pkt., 10c.

209 Little Dorrit Blue. 6 in. Pkt., 10c.

217 Little Blue Star. 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c; ½ oz., 40c.

220 Lasseauxi. 3 ft. Clusters of handsome rose-colored flowers. Pkt., 10c; ½ oz., 25c.

See Also Novelties

235 AGROSTIS Nebulosa (Cloud Grass). □ 1½ ft. Graceful annual grass. Pkt., 10c.



196 AGERATUM Blue Ball. Pkt., 15c.

KEY TO SYMBOLS: □ Annuals. # Biennials. ① Perennials. ÷ Greenhouse Plants. + House Plants. = Climbing Plants. X Rock Garden Plants.

Alyssum, Queen of Edging Whites

Culture: A or B (March-July); D or E (March-May)

OF all garden flowers, none is better known, or more cherished, for its beauty and fragrance, and the memories associated with it. It is truly queen of edging plants whether grown in a continuous ribbon, or alternated with blue lobelia, yellow signata marigold, or dwarf ageratum. Its white flowers never fail; it is amazingly vigorous and hardy, and exceptionally uniform in height and size

257 Little Dorrit. □ 4 in. It forms perfect little bushes, smothered with miniature white flowers. $\frac{1}{4}$ oz., 25c; pkt., 10c.

250 Maritimum (Sweet Alyssum). □ 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. $\frac{1}{4}$ lb., 60c; 2 ozs., 40c; 1 oz., 25c; $\frac{1}{2}$ oz., 15c; pkt., 10c.

260 Lilac Carpet Plant. □ 9 in. Distinct variety with delicate lavender flowers which deepens in color with the approach of cold weather. Today, Oct. 21, we have a vase of these on our desk of true deep lilac color from plants that a few weeks ago had only white tinged lavender flowers. $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; pkt., 10c.

255 Vaughan's Little Gem (White Carpet). □ 4 in. The plants are so completely covered with snow-white blossoms they create the impression of a beautiful white carpet. 1 oz., 75c; $\frac{1}{2}$ oz., 40c; $\frac{1}{4}$ oz., 25c; $\frac{1}{4}$ lb., \$2.00; pkt., 10c.

261 Compactum Lutescens. □ 8 in. Dwarf, cream or straw color $\frac{1}{4}$ oz., 25c; pkt., 10c.

See also Perennial Pages.



255 Ribbon Planting of Vaughan's Alyssum Little Gem. Pkt., 10c.

ANCHUSA Capensis

Culture: A or B (Mar-June), D or E. (Mar-April)

310 Summer Forget-me-not. □ 2 ft. Gentian-blue flowers, borne in drooping clusters from July to October. Similar to the Forget-me-not, blossoms larger and of finer color. Pkt., 10c; $\frac{1}{2}$ oz., 15c.

ANCHUSA Blue Bird

311 Growing about 18 inches high, of compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of a vivid indigo blue and of brilliant effect in any scheme for the decoration of beds and borders, blooms all summer. Pkt., 15c; $\frac{1}{2}$ oz., 25c.

ANGEL'S BREATH —See Gypsophila Elegans.

313 ANGLONIA Grandiflora. Pkt., 25c.

314 ANTHEMIS Arabica, yellow. Pkt., 20c.

315 ANTIGONON Leptopus, Mexican Mountain Rose, Pink. Pkt., 10c.

460 ARGEMONE Grandiflora Mixed. Prickly Poppy. Pkt., 10c.

ANAGALLIS (Pimpernel) □ X

Culture: A or B (May 15th), D or E (February-March)

307 Coerulea. 8 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. The flowers are of a real turquoise-blue. $\frac{1}{2}$ oz., 30c; pkt., 15c.

305 Mixed. 6 in. Dwarf plants, blue and scarlet flowers, effective as edgings, also charming on rock-work and in pots. Pkt., 10c; $\frac{1}{2}$ oz., 25c.



307 ANAGALLIS Coerulea, Pkt., 15c.

African Daisy (Arctotis)

Culture: A or B (May 15th), D or E (February-March)



450 ARCTOTIS Blue-Eyed African Daisy, 10c.

449 Breviscapa Aurantiaca. The daisy-like flowers have petals of a most pleasing dark orange color which turns lighter toward the center. The under sides are of a brownish tint. Pkt., 25c.

450 Grandis (Blue-eyed African Daisy). 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. $\frac{1}{2}$ oz., 25c., pkt., 10c.

451 New Hybrids. 8-12 inches. A new race of African daisies rivaling in size and variety of coloring the famous gerberas, which they closely resemble, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

452 Scapigera. Flowers 3 inches in diameter, resemble those of the Shasta Daisy, of a soft lilac, on long slender stalks, about 18 inches in height. In bloom all summer and fall. Pkt., 35c.

ASPERULA—Blue Woodruff □

Culture: A or B (March-June), D or E (February)

490 Azurea Setosa. A dainty little annual growing up to a foot high and producing terminal clusters of gray blue flowers from June until August or later, according to the time seeds are started into growth. The best results follow early sowing. The plant thrives in almost any situation as to soil or exposure. Pkt., 10c.

For Asperula Odorata, see Perennial Pages.



275 AMARANTHUS (Tricolor). Pkt., 10c.

AMARANTHUS □

Culture: A or B (May-June), D or E. (April-May)

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

267 Caudatus (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt., 10c.

268 Combustion. 3 ft. Dark red foliage. 10c.

269 Cruentus (Prince's Feather). 3 ft. Dark red feathery flowers. Pkt., 10c.

270 Molten Fire. 3 ft. Brilliant Poinsettia-like tips. Pkt., 10c.

273 Salicifolius (Fountain Plant). 3 ft. Willow-leaved. Red and yellow drooping foliage. Pkt., 10c.

275 Tricolor (Joseph's Coat). 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c. $\frac{1}{2}$ oz., 25c.

285 Vaughan's Special Mixture. A well balanced mixture of the above and others. $\frac{1}{4}$ oz., 25c; pkt., 10c.

236 ALONSOA Grandiflora (Mask Flower). Vermilion-red. Pkt., 10c.

240 —Warszewiczii. Tomato-red. Pkt., 10c.

295 AMMOBIUM (Winged Everlasting). 10c.

Giant Snapdragons

Rust-proof Maximum, Giant Flowered

Spikes 32 inches tall, and blooms 2 to 2½ inches across.

Culture: A or B (March-April), D or E (Febr.-March)

By developing a strain of snapdragons immune to rust, scientists of the University of California have restored this brilliant flower family to leadership as a garden subject. Rust is a widespread disease which discolors the leaves and saps the vitality; if you have found snapdragons difficult to grow, rust is probably responsible. Growing the Rust-proof strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

See Also Novelties

ANTIRRHINUM ☐

- 341 **Maximum Alaska.** White.
 - 342 **—Autumn Glow.** Copper shades.
 - 343 **—Campfire.** Pure luminous scarlet.
 - 344 **—Canary.** Yellow.
 - 345 **—Fair Lady.** Silver pink with white tube and yellow tip on lip.
 - 346 **—Loveliness.** Pure soft rose-pink.
 - 347 **—Red Cross.** Deep rich crimson, white tubes.
- Price, any of above pkt., 20c; any 3 pkts., 50c.
- 348 **Mixed all the above Rust-proof Snapdragons.** Pkt., 25c; 3 pkts., 65c.

- 350 **University of California Mixture.** All the dwarf and semi-dwarf sorts in a wonderful range of colors. Pkt., 25c.

Non-Rust Proof

"MAJESTIC," Half Dwarf Sorts

A new English type with flowers of the Maximum and height of the Semi-tall.

- 315B **Appleby Matthews.** Orange buff, white throat.
 - 315A **Avalanche.** Masses of snowy white flowers.
 - 316A **Dawn O'Day.** Flowers open a pale rose pink, quickly developing into a pure apricot, with flush of gold towards center.
 - 316B **Delight.** Delicate salmon-pink.
 - 316 **Eldorado.** Deep golden yellow.
 - 316C **Evensong.** Soft chamois pink, blending through apricot to buff.
 - 316D **Fair Lady.** Flesh pink tinged with deeper tone of rose.
 - 317 **Golden Dawn.** Golden buff with salmon.
 - 318 **Orange King.** An exquisite blend, rich terra-cotta above, the lip golden yellow merging to pure deep orange at the base.
 - 319 **Red Chief.** Rich deep scarlet.
 - 323 **Rose Beauty.** A charming rose pink self.
 - 323A **Rosella.** Wonderful rich glowing rose.
 - 320 **Rose Marie.** Light salmon rose golden rose.
 - 321 **Sunset.** Bright terra cotta above, blending downward to rosy salmon.
 - 322 **Twilight.** Delicate apricot with yellow and salmon shading.
- Price, each of above: Pkt., 25c; any 3 pkts. for 65c.
- 324 **Majestic Mixed.** Pkt., 25c; ½ oz., 40c.

Semi-Tall Sorts, 18 to 20 Inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

- 363 **Amber Queen.** Amber overlaid chamois pink, gold lip.
- 368 **Black Prince.** Nearly black, small dark leaves
- 371 **Bonfire.** Orange or flame color.
- 377 **Canary Bird.** Light lemon-yellow.
- 381 **Daphne.** Deep rose pink.
- 378 **Defiance.** Cinnabar scarlet
- 379 **Empress.** Rich crimson.
- 383 **Fascination.** Pale pink.
- 385 **Firebrand.** Fiery scarlet.
- 384 **Flame.** Brilliant orange-scarlet.
- 386 **Gloria.** Rose and white.
- 390 **Golden Queen.** Rich yellow.
- 394 **His Excellency.** Brilliant orange scarlet with dark throat.

425 VAUGHAN'S SPECIAL MIXTURE OF SNAPDRAGONS. Includes the best of the maximum, majus grandiflorum and majus nanum varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers. 1 oz., \$1.50; ¼ oz., 40c; ½ oz., 25c; pkt., 15c.

SEMI-TALL—Continued

- 396 **Mauve Beauty.** Rosy mauve.
 - 398 **Nelrose.** Old rose shaded blush.
 - 399 **Peerless Pink.** Cameo pink, white lip.
 - 404 **Prima Donna.** Terra-cotta pink.
 - 403 **Queen of the North.** Large white.
 - 404B **Red Emperor.** Rich deep scarlet.
 - 405 **Rose Dore.** Salmon-rose, shaded gold.
 - 407 **Silver Pink.** Pearl pink self.
 - 407C **Tangerine.** A brilliant attractive shade.
 - 410 **The Fawn.** Terra-cotta pink, suffused yellow.
- Any of the Semi-Tall sorts, Pkt. 10c; 3 for 25c.
- 409 **Semi-Tall Mixed (Majus Nanum).** ½ oz., 25c; pkt., 10.

Large Flowering Dwarf, 16 Inches

- 356 **Daffodil.** Pale lemon yellow with a broad band of deeper shade across the center.
 - 357 **Madonna Improved.** White.
 - 358 **Rose Eclipse.** Deep lustrous rose.
- Price, each of the above, pkt. 10c. 3 pkts. for 25c.

Tom Thumb Varieties, × 8 Inches

- Suited for edging beds, and pot plants.
 - 438 **Fireball.** Dark red, deep violet throat.
 - 430 **Pink.** 431 **Orange.** 435 **Snow Queen.**
- Price, each of the above, pkt., 10c; 3 pkts. for 25c.
- 445 **Tom Thumb Mixed.** ½ oz., 25c; pkt., 10c.



1131 BELLIS Monstrosa Double Mixed. 15c.



349 RUST-PROOF SNAPDRAGON. Varieties Illustrated: 1. Canary Yellow. 2. Campfire. 3. Loveliness. 4. Autumn Glow. 5. Alaska. 6. Red Cross. 7. Fair Lady. 1 Pkt. Each, 7 Pkts., \$1.00.

ROCK HYBRIDS ×

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings, as well as for plants in the greenhouse.

- 439 **Pink Gem.**
 - 436 **Sutton's Little Gem.** Miniature hybrids 4-6 in. tall suitable for rock gardens or edging, in many lovely shades.
 - 440 **White Gem.**
- Each of above, Pkt., 25c. 3 pkts., 65c.

AGROSTEMMA

Culture: A or B (March-July), D or E (April-May)

- 230 **Coeli Rosa (Rose of Heaven).** 1 ft. Hardy annual of light, graceful habit; flowers pale rose, shaded white. Sow in the vegetable garden (as you would radishes) at intervals, and enjoy a continuous supply of cut flowers all summer. ¼ oz., 25c; pkt., 10c.

- 470 **ARTEMISIA—(Summer Fir).** 3 to 5 ft., 10c.
- 473 **ASCLEPIAS Curassavica (Sunset Glow).** Orange-red. Pkt., 15c.

BARTONIA Aurea ☐

Culture: A (March-July)

- 1070 12 in. Makes patches of polished gold in sunny situations, even if the soil is poor. The foliage is gray and brilliant in the sunshine. It will not stand transplanting. Pkt., 10c; ¼ oz., 20c.

BELLIS PERENNIS FL. PL.

English Daisy, 6 to 8 Inches

Culture: C (June-Sept.), Set out Sept.-Oct.

These jolly little flowers are popular because of their bright color, their profuse and long blooming period, and their dwarf compact growth.

- 1126 **Glory of Frankfurt.** Brilliant dark red. 25c.
- 1119 **Monstrosa Alba.** Large white. Pkt., 15c.
- 1123 **—Rosea.** Large pink. Pkt., 15c.
- 1131 **—Mixed.** Pkt., 15c; ¼ oz., 35c.
- 1116 **Double Choice Mixture.** Pkt., 10c.

New Wilt Resistant Asters

REMARKABLE progress has been made in breeding Asters resistant to Fusarium Wilt. This disease is widespread, but even if not in your neighborhood, you will find the Resistant Asters so much more vigorous and productive, it will pay to use them. While these asters are not immune from the Yellows disease, which is insect-borne, and distinct from the Wilt, they are far less susceptible to infection and injury from it. Where we offer the Wilt Resistant Strain of a variety, we have omitted the ordinary strain from our list.

VAUGHAN'S SPECIAL WILT RESISTANT MIXED

915 A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer, including all types and colors. An outstanding value for the cutting garden, or mixed bed or border. Pkt., 15c.

536 WILT RESISTANT ASTER

Early Beauty Carmine Rose.
Pkt., 15c.

Giant Branching

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid. 2 to 3 ft.

- | | | |
|-----------------|--------------------------------|-------------------|
| 901 White. | 905 Azure Blue, dark lavender. | 908 Sensation. |
| 902 Shell Pink. | 906 Purple. | 891 Ball's White. |
| 903 Deep Rose. | 907 Deep Silvery Rose. | 898 Mixed. |
| 904 Crimson. | | |

Price, any of above, 3 pkts., for 40c; pkt., 15c.

Heart of France

929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. 18 to 24 inches.

Price, 3 pkts., for 40c; pkt., 15c.

Golden Sheaf

556 The deepest yellow Aster yet offered and the only one that is Wilt Resistant. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal. Pkt., 25c.



898 WILT RESISTANT ASTER Giant Branching Mixed. Pkt., 15c.



929 WILT RESISTANT ASTER Heart of France. Pkt., 15c.



564 ASTER Crego, Lavender. Pkt., 15c.

Single and Dwarf Asters, Lovely in the Border

Single Marguerite Aster

Plants strong, vigorous, free blooming, of pyramidal habit. The flowers are from 2 to 3 inches in diameter, on long stems. The small yellow centers give them a very lively appearance. They were much admired in our trial ground last year.

- | | | | |
|------------------|--------------|-----------------|-------------|
| 960 Dark Blue. | 965 Pink. | 970 Light Blue. | 976 Violet. |
| 964 Bright Rose. | 966 Crimson. | 975 Mauve. | |

Price, each of the above: Pkt., 10c. 3 pkts. for 25c.

980 Marechal Joffre. Large flowered red. Pkt., 10c.

983 White Swan Large-Flowered Single. The flowers, which resemble a large and refined form of Shasta Daisy, measure 4 to 4½ inches across, having a center with ray petals. 2 feet. Pkt., 10c.

985 Mixed, all colors. ½ oz., 25c; pkt., 10c.

Dwarf Section X

They are charming little plants—bushy in habit, completely covered with miniature flowers in dainty colors. Flowers appear early and last for a long time.

500 Vaughan's Snowball. 12 in. The best dwarf white.

501 Vaughan's Pink Ball. 12 in. Lovely shade of pink.

505 Vaughan's Fireball. 12 in. Brightest scarlet.

Price, each of the above: pkt., 15c; 3 for 40c.

515 Dwarf Bouquet Mixed. 10 in. The plants are little bouquets, each having a dozen or more lovely flowers an inch or more in diameter in delightful shades of shell pink, sky blue, blood red and white. Plant these in rows in the vegetable garden and cut off the complete plant for a bouquet. Pkt., 15c.

521 Dwarf Queen Mixed. 14 in. Fine for pots, beds and borders. Pkt., 10c.

New Giant Asters

IN the late summer and early fall the Chinese Asters, with their giant double flowers, of many distinct types and wide range of coloring, are outstanding flowers in the garden and in flower shows. They are also important summer cut flowers, with long stems, and good keeping quality. Plant Asters in new ground each year. They should have heavy, loamy soil and a sunny open situation with a liberal amount of lime and plant food. The plants should be cultivated frequently and tobacco dust sprinkled around the stems. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

Culture: A or B (May 1st-June 15th) D or E (Feb.-May)

Super-Giants

Largest and most fully double asters, with flowers from 6 to 8 inches across, plants 2½ ft. tall, with six to eight long stems. Early flowering.

942 Los Angeles. Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. Pkt., 25c.

943 El Monte. Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season. Pkt., 25c.

California Giants

They combine the robust habit of growth and length of stem that characterizes the Beauty type with the Ostrich Feather flower. A true non-lateral type. 36 in.

600 White. **602 Dark Purple.** **604 Peachblossom.**
601 Dark Rose. **603 Light Blue.** **610 Mixed, all colors.**

Price, each of the above, pkt., 15c. 3 pkts. for 40c.

Giant Mammoth Peony Flowered

The flowers are immense, very double, borne on long, stout stems, free from laterals. Splendid for cutting as they keep longer than any other variety. 2½ to 3 ft.

931 Azure Fairy. Clear azure blue. **936 Peachblossom.**
935 Maiden's Blush. Delicate flesh. **937 Rosebud.** A clear, deep rose
933 Purple Robe. Rich purple blue. **934 Swan's Down.** Pure white.

Price, each of the above: Pkt., 25c. 3 pkts. for 65c.

938 Mixed. Pkt., 25c; ¼ oz., 50c.

Giant California Sunshine. 3 ft.

The flowers are large, with loosely placed outer petals contrasting with the creamy yellow or blue centers, giving a lacy effect which is quite delightful. Enchantress Pink, a delicate shade of salmon, is especially charming. Comes about 75 to 80 percent true. The rogues and off types bloom first and the true Giant Sunshine later.

883 White. **885 Rose.** **887 Mixed.**
884 Enchantress Pink. **886 Purple.** (See illustration.)

Price, each of the above: pkt., 25c; 3 pkts. for 65c.

Outstanding Varieties

646 Scarlet King (Beacon). Finest of all red Asters. Plants grow 16 to 20 inches high of a bushy, branching habit with many fully double flowers of color even more intense than Heart of France. Excellent for cutting. Pkt., 25c.

941 Surprise "Salmongold." When starting to flower the blossom is a pure salmon-yellow and when fully developed a salmon-pink. The single blossom is 2¾ to 3¼ inches. Each plant carries on the average 40 to 50 blooms and the cut flowers remain fresh in water from two to three weeks. Pkt., 35c

Vaughan's Excelsior Mixture of Tall Asters

990 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters, including the varieties listed and others especially purchased for this mixture. ⅓ oz., 50c; large pkt., 25c; pkt., 15c.

Vaughan's Excelsior Mixture of Dwarf Asters

725 It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed, especially selected for this mixture. ⅓ oz., 50c; large pkt., 25c; pkt., 15c.



943 ASTER Super Giant, El Monte. Pkt., 25c.



886 ASTER Giant California Sunshine Purple. Pkt., 25c.



933 ASTER
Giant Mammoth Peony Flowered Purple Robe. Pkt., 25c.

Imbricated or Pompon Asters

Flowers very freely produced, often as many as 20 to a plant. Blooms very early. The small round Pompon blossoms have an outside row of short guard petals. Blooms about two weeks earlier than Lilliput.

See Illustration for type of flower.

587 White.
588 Rose.
589 Fiery Scarlet.
589A Crimson.
590 Light Blue.
592 Mixed.

Price, each of the above: pkt., 15c; any 3 pkts., for 40c.



588 ASTER Imbricated or Pompon Rose. Pkt., 15c.



Type of BUSH BALSAM
1052 Pink. Pkt., 25c.

New Bush Balsam

Free-flowering double balsam of bushy growth, flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. It is a fine bedding plant. In shades of white, rose and red.

- 1052 Pink. Pkt., 25c. 1054 White. Pkt., 25c.
1053 Red. Pkt., 25c.
1051 Mixed. Pkt., 25c; ½ oz., 40c.

BALSAM (Lady Slipper) □ 1½ to 2 ft.

Culture: A or B (May-July), D or E (April-May)

An old and favorite garden flower, producing the double flowers clustered in the axils of the leaves on short stems. The plants are sturdy and bushy and like hot sun, rich soil and plenty of water. For perfect development they should be set 12 to 18 inches apart. The bush balsam is a new type.

- | | |
|------------------------------------|-------------------|
| 1014 Crimson. | 1018 Dark Blue. |
| 1020 Flesh Pink. | 1022 Lemon Queen. |
| 1025 Lilac. | 1010 Pure White. |
| 1023 Nilsson Rose. Deep dark rose. | |
| 1027 Prince Bismarck. Salmon-pink. | |
| 1031 The King. Brilliant scarlet. | |
| 1033 The Queen. Malmesbury pink. | |

Price, each of above: Pkt., 10c; any 3 pkts. for 25c.

- 1040 Double Rose and Camellia-flowered Mixed. Pkt., 10c; ½ oz., 25c.

- 1050 Dwarf Balsams Mixed. 8 in. Perfect little bushes with double and semi-double flowers. Pkt., 10c.

- 1059 Goliath Chamis Rose. 4 ft. A most pleasing color. Pkt., 10c.

- 1057 Goliath Scarlet. 4 ft. Extremely brilliant, large and very double. Pkt., 10c.

- 1055 Goliath White. 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. Pkt., 10c.

- 1045 Vaughan's Invincible Balsams Mixed. Includes everything that is desirable in Balsams. Pkt., 10c; ½ oz., 25c.

BALSAM APPLE AND PEAR

Culture: A or B (May 15th)

- 1008 Mixed □ = 10 ft. Ornamental and quick-growing climber. Excellent to use in covering unsightly places. The flowers are followed by ornamental fruits. Pkt., 10c.

BALLOON VINE (Love in a Puff)

Culture: D or E (February-March)

- 995 □ = A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. Pkt., 10c.

BLACK-EYED SUSAN—See Rudbeckia Hirta (Perennial seeds) and Thunbergia (annual seeds).

- 1150 BRIZA Maxima (Quaking Grass). 10c.

- 1165 BRYONOPSIS Laciniata. Gourd family. Scarlet fruits, striped white. Pkt., 10c.

BURNING BUSH—See Kochia.

- 1248 CAMPANULA Attica. 4 in. Violet. Pkt., 15c.

- 1249 —Lorei. 6 in. Pale blue. Pkt., 15c.

Begonias

For Sun and Shade

Ever-Blooming Bedding Varieties

Culture: D or E (Jan.-March)

A continuous flowering class of greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make decorative winter house plants.

Begonia Seed is Very Fine. Open packets very carefully over a sheet of white paper.

- 1071 Christmas Cheer Red. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 25c.

- 1072 Christmas Pink. Identical with above variety except the color is warm rose-pink. Pkt., 25c.

- 1077 Gracilis Carmen. Bright rose flowers in clusters well above the deep bronze foliage. Pkt., 50c.

- 1078 —Luminosa. Large, bright scarlet. Pkt., 25c.

- 1081 —Prima Donna. 1 ft. Brilliant, clear pink, shading to carmine-rose. Pkt., 25c.

- 1074 —Radio. A very large-flowered, shining pure carmine-scarlet. Pkt., 25c.

- 1076 —White Pearl. White, foliage green. Pkt., 25c.

- 1083 Semperflorens Elegance. 10 inches. Of bushy habit, free flowering, bearing large white flowers with a vivid crimson edging. Coming true from seed, as to color and habit, makes an ideal pot or bedding plant. 35c.

- 1086 —Salmon Queen. Large salmon flowers with dark leaves. Pkt., 35c.

- 1088 —Winter Romance. The foliage is juicy light green, the flowers are carmine pink. Pkt., 35c.

- 1090 Semperflorens Mixed. Pkt., 10c.
See also Novelties



1146 BRACHYCOME Mixed
(Swan River Daisy). Pkt., 10c.



1155 BROWALLIA Speciosa Major.
Pkt., 25c.



1086 BEGONIA Salmon Queen. Pkt., 35c.

Tuberous Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. Start the tubers indoors in January or February, in moist sand, with bottom heat of at least 70 degrees. After they are well sprouted and develop good roots, pot them in 4-inch pots, in good soil. Plant out in somewhat shady location after frost danger ends.

- 1101 Lloydii. This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various tones of rose and carmine. Pkt., 50c.

- 1100 Narcissus Flowered. Resemble large Trumpet Narcissi. Various tones of scarlet and carmine, light and dark yellow, orange, buff, rosy white, and many new tones of rose from light to dark. Pkt., 50c.

- 1103 Double Mixed. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.

- 1105 Frilled Mixed. Best frilled flowers. Pkt., 35c.

- 1099 Single Mixed. Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

See Also Novelties

BRACHYCOME (Swan River Daisy) □

Culture: A or B (May 15th), D or E (March-April)

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small cinerarias, suitable for edgings, small beds or pot culture.

- 1140 White. 1143 Blue.

- 1141 Pink. 1146 Mixed. ½ oz., 25c.

Price, each of the above; pkt., 10c.

BROWALLIA □

Culture: A or B (April-June)

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers, useful in color combinations.

- 1157 Elata Blue. Pkt., 10c.

- 1156 Elata White. Pkt., 10c.

- 1160 Elata Mixed. Blue and White. Pkt., 10c.

- 1161 Sapphire. 10 in. Sometimes bearing over a hundred dark blue flowers with a white eye, suggesting a large flowered Lobelia. Pkt., 35c.

- 1155 Speciosa Major. Brilliant ultramarine blue; a rare color; for border or hanging baskets. Pkt., 25c.

- 1154 Speciosa Major Alba. White. Pkt., 35c.

CANNA ÷ 2½ to 4 ft.

Culture: D or E (Jan.-April), C (May-July)

Cannas can be successfully grown from seed if planted early. Pour boiling water over the seeds; take them out after 24 hours and sow at once in sand. Give some bottom heat and cover ¼ to ½ inch.

- 1310 Giant Flowered, Mixed. Pkt., 10c.

- 1610 CENTROSEMA (Butterfly Pea). Pkt., 15c.

New Colors in Calendulas



1200 CALENDULA Campfire. Pkt., 15c.

Pot Marigolds ☐

Culture: A or B (March-May), D or E (March-April)
An old-fashioned annual glorified by plant breeding, which increased its size, purified its colors and improved its form. The finest new varieties retain the vigor and free blooming qualities of the race, flowering from early summer until freezing, with continually improving size and quality.

1198 Apricot. A flat petaled variety of a bright apricot shade deepening slightly towards the center. Pkt., 10c.

1194 Ball Gold. Pure gold. $\frac{1}{4}$ oz., 80c; pkt., 15c.

1192 Ball Masterpiece. Extra long-stemmed, deep orange with brown center. Pkt., 15c.

1191 Ball Orange. It has fine stems and immense double flowers of a brilliant glistening orange $\frac{1}{4}$ oz., 80c; pkt., 15c.

1200 Campfire. Flowers grow 4 inches wide, completely double, are of a deep orange overlaid with a distinct scarlet sheen. It grows vigorously with exceptionally strong, heavy stems. An improvement on Sensation. Pkt., 15c.



1191 CALENDULA Ball Orange. Pkt., 15c.

Graciella Hybrids. See Novelty pages.

1197 Moonlight. A beautiful soft cream yellow, with petals of the chrysanthemum type, nearest approach to white of all calendulas. Pkt., 15c.

1190 Orange King. 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. $\frac{1}{4}$ oz., 25c; pkt., 10c.

1199 Radio. The flowers are medium size, and clear orange. The petals are beautifully quilled giving an extraordinary beauty. Pkt., 10c.

1193 Sulphur Queen. 20 in. Large sulphur-yellow. $\frac{1}{4}$ oz., 25c; pkt., 10c.

1205 Mixed, all colors. For woodland and perennial borders. $\frac{1}{4}$ oz., 20c; pkt., 10c.

Calendula Sunshine

1189 Chrysantha. Large, double flowers are of beautiful form and borne on exceptionally long, stout stems, while the petals are long, broad and drooping, giving the flower a globular form. Owing to its pleasing buttercup-yellow color, its remarkably distinct and informal shape, it is a delightful addition to the garden picture. Free from calendula odor and keeps well in water. Pkt. 10c

Orange Sunshine. See Novelty pages.

1206 CALENDULA Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. Prepared by a formula which assures balanced representation of colors and types. $\frac{1}{4}$ oz., 35c; 15c

Gay Calliopsis Clan (Coreopsis) ☐

Culture: A (March 1st-June 1st)
The annual coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self-seed.

1209 Bicolor Splendens. Large golden yellow flowers with brown centers. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

1210 Crown of Gold. 20 in. Pure golden yellow. 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

1224 Dazzler. 6 to 7 in. Large, rich maroon-red flowers with broad golden-yellow border. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

1216 Drummond, Golden Wave. 2 ft. Yellow with circle of crimson-brown around the eye. 10c.

1213 Golden Ray. 6 to 8 in. Golden yellow with dark, purplish brown center. Pkt., 10c.

1217 Nigra Speciosa. 3 ft. Rich reddish maroon. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

1211 Tom Thumb. Crimson King. Height 6 to 7 in., forms a perfect little bush, with rich, dark crimson flowers. Pkt., 10c.

1240 Double Mixed. All colors. Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 75c.

1235 Dwarf Varieties, Mixed. Valuable for small mixed beds and borders. Pkt., 10c.

1245 CALLIOPSIS Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. $\frac{1}{4}$ oz., 30c; pkt. 10c



1170 CACALIA (Tassel Flower). Pkt., 10c.

CACALIA (Tassel Flower) ☐ 2 ft.

Culture: A only (May 15th)

Each flower is a miniature paint brush produced on long wiry stems which make it an excellent cut flower.

1172 Aurea. Pkt., 10c. **1171 Scarlet.** Pkt., 10c.

1170 Mixed. Scarlet and yellow. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Grow Cacti From Seed

Culture: D or E (March-April); C (May-June)

We offer seeds of popular types in mixture, and a few better known varieties separately; also a collection of ten varieties in separate packets. Growing Cacti from seed is an easy and interesting pastime, each miniature plant being as perfect as the parent, and most of the varieties here offered developing comparatively fast. The seeds germinate irregularly, over a period of from 14 to 40 days. We also offer a booklet "Cacti in the Home." Price, 35c.

1252 Cereus (Column cacti) mixed.

1253 Echinocactus (Hedgehog-cacti) mixed.

1254 Echinocereus (Cluster-cacti) mixed.

1255 Echinopsis (Tube-flowering hedgehog-cacti)

1256 Mamillaria (Wart cacti) mixed.

1257 Opuntia (Fig-cacti) mixed.

1251 Cacti. All kinds and forms mixed.

Price, any of above; pkt., (50 seeds) 25c; 5 for \$1.00.

1251A Collection. 10 sorts, each in illustrated bag with cultural directions. Each, \$1.00.

1258 Cephalocereus Senilis (Old Man Cactus). Pkt., (20 seeds) 25c.

1258A Cereus Grandiflorus. (Night Blooming Cereus). Pkt., (10 seeds) 35c.

1259 Lithops Lesliei (Flowering Stones). Pkt., (15 seeds) 35c.



1245 CALLIOPSIS Vaughan's Special Mixture. Pkt., 10c



1260 CANDYTUFT Giant Hyacinth-Flowered. White. Pkt., 10c.

Candytuft (Iberis) □

Culture: A or B (March-June), D or E (Febr.-March)
For mass planting, interplanting with taller flowers and for edging beds and borders, the candytuft is admirable, and the hyacinth flowered type, bearing flowers in long clusters, makes good cut flowers. Successive plantings give flowers all summer.

Note—Candytuft may be sown late in Fall in Tulip beds.

1260 Giant Hyacinth-Flowered White
1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Umbellata sorts grow about 1 ft. tall with flowers in umbella form. We offer the following six colors and mixed as noted below.

- | | |
|-------------------|-----------------|
| 1275 Alba, White. | 1277 Flesh. |
| 1276 Carmine. | 1282 Rose Pink. |
| 1279 Purple. | 1287 Mixed. |
| 1286 Lilac. | |

Price, each of the above: Pkt., 10c; 3 pkts. for 25c.

1270 Queen of Italy. 8 in. Dwarf bushes covered with large pink blooms $\frac{1}{4}$ oz., 25c; pkt., 10c.

1290 Dwarf Hybrids Mixed. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink and delicate blush to lilac and purple-crimson. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

- | | |
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| 1291 Dwarf White. | 1292 Dwarf Flesh. |
| 1293 Dwarf Rose. | 1294 Dwarf Crimson. |
| 1295 Dwarf Lilac. | |

Price, each of above: Pkt., 10c; 3 pkts. for 25c.

1289 Little Prince. 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf, sturdy plants. Pkt., 10c.



1250 CANARY BIRD VINE. Pkt., 10c.

Modern Garden Carnations □

Culture: D or E (March-May); A or B (March-July 15th)

DOUBLE carnations of first quality, similar in all respects to the greenhouse product, can easily be grown from seed in the outdoor garden. Plants may be lifted in the fall, cut back, potted, and they will flower again indoors. They are hardy and should have an early start, preferably indoors, or in hotbed or greenhouse.

Giant Enfant de Nice Carnations. Are the result of a cross between two French varieties. They are of compact growth with extremely stiff stems bearing flowers which are up to $2\frac{1}{4}$ to $2\frac{3}{4}$ inches in diameter without disbudding the plants. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

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| 1325 White. | 1327 Rose. |
| 1326 Salmon. | 1328 Red. |

1329 Mixed from varieties noted above.

Price, each of above: Pkt., (100 seeds) 25c; any 3 pkts. for 65c.

1350 Giant Margaret Mixed. Flowers measuring 3 in. or more; colors include white, pink crimson and striped. Upright growth. Pkt., (100 seeds) 15c

Improved Early Flowering Perpetual. Plants bloom in about five months from sowing and continue all summer. The flowers are very double, of large size, clove scented. The calyx does not split. They are borne on stiff stems 15 to 18 inches high.

Our strain will produce 90% double flowers and comes true to color.

- | | |
|------------------|------------------------|
| 1336 White. | 1340 Scarlet. |
| 1337 Yellow. | 1341 Maroon. |
| 1338 Rose Pink. | 1342 Salmon Rose. |
| 1339 Flesh Pink. | 1343 Mixed all colors. |

Price, each of above: Pkt., 25c; any 3 pkts. for 65c.

1335 American Hybrids. A valuable race of large-flowered carnations, borne on long wiry stems for a long season. Pkt., (35 seeds) 25c.

See also Hardy Perennials.

1390 CARNATION Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom in the house. Pkt., (100 seeds) 25c

1177 CALANDRINIA Umbellata. Crimson. Pkt., 10c.

CALCEOLARIA—See page 86.

1247 CALIFORNIA Native Wild Flowers.

Contains over thirty varieties of California wild flowers in a well balanced mixture. Pkt., 25c.

CALIFORNIA POPPY—See Escholtzia.

CANARY BIRD VINE □ =

Culture: A or B (May 15th-June 20th),
D or E (February-March)

1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. $\frac{1}{4}$ oz., 30c; pkt., 10c.

CASTOR OIL PLANT—See Ricinus.

Cardinal Climber

Culture: D or E (March-June), A (May 15th)

1320 A strong and rapid growing annual vine attaining a height of 25 feet, with beautiful fern-like lacinated foliage and covered with fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1. The vines are a favorite play ground of humming birds. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

1730 CINERARIA Maritima, Diamond. 16 in. White leaved, dusty miller. Pkt., 10c.

CINERARIA HYBRIDA—See page 86.

CLEOME Pungens (Spider Plant)

Culture: D or E (February-March)

1800 □ 5 ft. A showy garden annual producing curious heads of flowers of bright rose; of easy cultivation, blooming until late; a good bee plant. Produces unique effect in the border. Pkt., 10c.

1801 Pungens White. Same as above only flowers are white. Pkt., 10c.

Price, one pkt., each of the 2 varieties above, 15c.



1390 CARNATION Vaughan's Special Mixture (100 Seeds) 25c.

CHINESE LANTERN PLANT—See Perennials.
CHINESE FORGET-ME-NOT—See Cynoglossum Amabile.

CHRISTMAS ROSE—See Helleborus Niger in perennial pages.

1810 CLIANthus Dampieri (Glory Pea of Australia). Bright red, black spot. 15 seeds, 25c.



1320 CARDINAL CLIMBER. Pkt., 10c.



1570 **CENTAUREA** Giant Sweet Sultan
Mixed. Pkt., 10c.



1580 **CENTAUREA** Yellow Sweet Sultan.
Pkt., 10c.



1535 **BACHELOR'S BUTTONS** Vaughan's
Special Mixture. Pkt., 10c.

Most popular Bachelor's Button of lovely "cornflower blue," is No. 1505, Double Blue. $\frac{1}{4}$ oz., 25c; pkt., 10c. See Novelty Pages for New Dwarf Jubilee Gem.

Annual Centaureas

Culture: A or B (March-June), D or E (March-April)

Imperialis (Giant Sweet Sultan) 2½ ft.

Finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition.

1566 **Amaranth.** Rich plum color.
1550 **Brilliant Rose.**

1545 **Dark Lilac.**
1565 **Deep Lavender.**

1560 **Purple Crimson.**
1540 **White.**

Price, each of the above: Pkt., 10c. 3 pkts. for 25c

1570 **Imperialis, Mixed.** $\frac{1}{4}$ oz., 25c; pkt., 10c.

1590 **VAUGHAN'S SPECIAL MIXTURE OF CENTAUREAS.** Includes all the annual Centaureas, and a packet will produce cut flowers all summer. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Annual Dusty Millers, with silvery gray foliage, are No. 1595, Candidissima, 10 in. and No. 1600, Gymnocarpa, 2 ft. Either, pkt., 10c.

Various Centaureas

1480 **Americana (Basket Flower).** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

1485 **Americana Alba (Star Thistle).** 2½ ft. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

1580 **Suaveolens.** 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. $\frac{1}{4}$ oz., 25c; pkt., 10c.

White Leaved (Dusty Millers)

Culture: A or B (March-June), D or E (March-April)

1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

1600 **Gymnocarpa.** 1½ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

1730 **Cineraria Maritima Diamond** is also known as Dusty Miller. Pkt., 10c.

See Also Novelties

Cyanus (Bachelor's Button or Cornflower)

They are easy to grow and bloom continuously. Just sow the seed broadcast wherever you want the plants to flower. If the soil is rich, the flowers will be larger and have longer stems. Make sowings at intervals of three weeks apart, beginning in early May.

Single Flowering

1525 **Dwarf Victoria, Blue.** 9 in. Neat and compact dwarf variety with a profusion of deep blue flowers, useful for edgings. Pkt., 10c.

Double Flowering Varieties 2 ft.

1500 **Pure White.** 1511 **Mauve.**

1505 **Blue,** $\frac{1}{4}$ oz., 25c. 1512 **Crimson**

1510 **Pink and Rose Shades,** 1515 **Purple.**

Price, each of the above: Pkt., 10c. 3 pkts. for 25c.

1520 **Double Mixed.** $\frac{1}{4}$ oz., 20c; pkt., 10c.

1535 **VAUGHAN'S SPECIAL MIXTURE OF BACHELOR'S BUTTONS** double and single varieties.

$\frac{1}{4}$ oz., 25c; pkt., 10c.

CHEIRANTHUS

Culture: C (July), A (March-April)

7440 **Allioni (Siberian Wallflower).** 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. Pkt., 10c.

1609 **Kewensis.** 12 in. A brilliant orange-yellow, blooms freely from seed first year. Pkt., 25c.

1611 **Linifolius (Alpine Wallflower).** 9 in. Wallflower-like blossoms of lilac. Pkt., 15c.

For Cultural Instructions See Page 87.



7440 **CHEIRANTHUS** Allioni. Pkt., 10c.

COBAEA (Cathedral Bells)

Culture: A (May 15th), D or E (March-April)

1820 **Scandens.** □ = 30 ft. One of the handsomest rapid growing climbers. The bell-shaped flowers open a clear green, but turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. $\frac{1}{4}$ oz., 25c.

1825 **Flore Albo.** White.

1830 **Mixed.** White and blue.

Price, each of the above: Pkt., 10c.

COIX (Job's Tears)

Culture: D or E (March-April)

1750 □ 2 to 4 ft. An ornamental grass with curious seeds which may be used as beads. 1 lb., \$1.00; $\frac{1}{4}$ lb., 30c; 1 oz., 10c.

COLLINSIA □ 18 in.

Culture: A or B (March-June)

1870 **Mixed.** A genus of Californian and Mexican annuals of some considerable beauty, belonging to the Snapdragon order. They flower from May to July. Grow in groups in good ordinary soil in sunny borders, or in small beds. Pkt., 10c.

1867 **Salmon Beauty.** This new variety is of the purest salmon-rose tone, which, when grown in masses, makes an effective decoration. Pkt., 15c.

COSMIDIUM Orange Crown □ 2 ft.

Culture: D or E (February-March)

1930 The flowers are golden yellow with a broad circle of a rich orange around the disc, a pleasing combination. Plants produce a succession of bloom all summer. Pkt., 10c.

COLEUS □

Culture: D or E (January-July)

1860 **Fine Mixed.** Pkt., 10c.

1861 **Large Leaved Copper.** Pkt., 25c

1863 **Large-Leaved Dwarf Mixture.** The coloring is very attractive with many shades and tints of yellow, copper, red, etc. Pkt., 25c.

1855 **Vaughan's Mammoth Rainbow Mixture.** + 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 8x10 inches; their color combinations are remarkably rich. Pkt., 25c.



1855 **COLEUS** Vaughan's Rainbow. Pkt., 25c.



1463 CELOSIA Flame of Fire. Pkt., 25c.

Celosia (Coxcomb)

Culture: A or B (May 15th-June 15th), D or E (March on)

THE name coxcomb is derived from the resemblance of the flower heads of the crested type to a cock's comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil and are used for mass effects in beds, or in pots. The plumed type like rich soil. Seeds germinate quickly and should be sown after danger of frost is over.

Ostrich Plume Varieties

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

- 1440 **Aurea.** Orange. 1446 **Rose.**
1445 **Coccinea.** Crimson. 1450 **Mixed.**
Price, each of above: Pkt., 10c.

1454 **Miracle Cockscomb Mixed.** Grows 2-3 ft. high without branches terminated with remarkable cockscombs of enormous size, some round, others cockscomb shape, with surface like velvet plush, others of waved or corrugated appearance. At its best September until frost. Pkt., 25c.

1455 **Thompsoni Magnifica.** 2-3 ft. A choice strain of the Ostrich Plume Celosias. Pkt., 10c.

1463 **Flame of Fire.** 18-20 in. Perfect pyramidal habit with center head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet. Pkt., 25c.



1470 CELOSIA Spicata. Pkt., 15c.

CELOSIA—Continued

1465 **Chinese Woolflower, Crimson.** Grows rapidly into a plant 2 to 3 feet high with many branches which in turn are branched, each growth terminating in a flower head resembling a ball of scarlet wool. The color endures unfading until frost, deepening into crimson scarlet. Pkt., 15c.

1466 **Chinese Woolflower, Deep Rose.** This variety is exactly like the original Chinese Woolflower, only the color is a deep rose instead of scarlet. Pkt., 15c.

1467 **Chinese Woolflower, Yellow.** Pkt., 15c.

1460 **Pride of Castle Gould.** Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.

1475 **Dwarf Plume Varieties Mixed.** 1½-2 ft. Good for pots. Pkt., 10c.

1470 **Spicata.** 3 feet. Round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver-white. Pkt., 15c.

Lilliput

The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs.

1476 **Fire Feather.** Red. Pkt., 25c.

1477 **Golden Feather.** Yellow. Pkt., 25c.

Crested Dwarf Sorts, 8 to 10 in.

1410 **President Thiers.** Fine dwarf habit, with bronzy foliage, and large, velvety crimson combs.

1415 **Empress.** Blood-red combs and brown foliage.

1420 **Aurea.** Golden yellow combs.

1421 **Rose.** Rose colored combs.

Price, each of above: Pkt., 10c.

1430 **Dwarf Mixed.** Pkt., 10c; ½ oz., 35c.

Crested Tall Sorts, 18 to 24 in.

1431 **Chamois.** 1433 **Golden Yellow.**

1432 **Crimson.** 1437 **Scarlet.**

Price, each of above: Pkt., 15c.

1435 **Tall Mixed.** Pkt., 10c; ½ oz., 25c.

Chrysanthemums

1711 **CHRYSANthemum Japonicum Anemone**
Flowered Mixed. The flowers are beautifully quilled, 2 to 3 inches across, extensively varied in color including a wonderful assortment of gold and bronze tones characteristic of this new strain. Blooms from seed the first year, if sown early. Pkt. 50c

Annual Varieties

Single Flowering Varieties. 20 in.

Culture: A or B (March-June), D or E (Febr.-March)

Sown in April, they begin flowering in July. The double varieties, which grow 4 feet high, make imposing border plants in midsummer. All types should be pinched back to encourage branching.

1635 **Burridgeanum.** Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.

1660 **Coronet.** 1½ ft. Flowers cream, distinctly edged lemon. Pkt., 10c.

1637 **Eldorado.** Bright canary yellow, large dark mahogany disc. Pkt., 10c.

1625 **Evening Star.** Rich sunflower-yellow, disc dark yellow. Pkt., 10c.

1620 **Morning Star.** Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.

1714 **Nivelli.** Produces bushy plants with an abundance of pure yellow single flowers all summer and fall. The flowers measure 2 to 3 inches across and are excellent for cutting. 2½ ft. Pkt., 10c.

1650 **Northern Star.** White fringed petals with canary-yellow zone, brown eye. Pkt., 10c.

1645 **The Sultan.** Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.

1627 **W. E. Gladstone.** Rich velvety purple, yellow ring. Pkt., 10c.

1655 **Vaughan's Special Single Mixed.** Showy flowers of bright colors. ¼ oz., 25c; pkt., 10c.

Double Flowering Varieties. 4 ft.

1656 **Coronarum Double White.** Pkt., 10c.

1659 **—Double Golden Yellow.** Pkt., 10c.

1695 **Vaughan's Special Mixture of Double Chrysanthemums.** ¼ oz., 25c; pkt., 10c.

1700 **Vaughan's Special Mixture.** Single and Double sorts in finest mixture including many varieties not catalogued. ¼ oz., 25c; pkt., 10c.

See Complete Index Pages 114 and 115, to Find Items Quickly.



1790 CLARKIA Vaughan's Special Mixture. Pkt., 10c.

Clarkia □ 2 ft.

Culture: A or B (March-May); D or E (Feb.-March)

The flowers have been described as resembling sprays of double flowering almond, and the rose and pink tones are especially attractive. They are hardy, germinate quickly and flower from July to Oct. They do well in sandy soil.

1735 **Albatross.** Pure white of upright growth.

1740 **Apple Blossom.** Apple blossom.

1743 **Brilliant.** Double flowers of bright carmine resembling a small carnation.

1744 **Chieftain.** Delicate mauve, extra double.

1757 **Enchantress.** A wonderful salmon pink.

1749 **Firebrand.** Brilliant coppery-scarlet.

1750 **La France.** Delightful pale salmon pink.

1748 **Orange King.** Bright orange scarlet.

1751 **Purple Prince.** Rosy purple.

1755 **Queen Mary.** Rose carmine.

1761 **Salmonea Perfecta.** True salmon, extra double.

1770 **White Prince.** Pure white.

Price, each of above: Pkt., 10c; any 3 pkts. for 25c

1789 **Novelty Mixture.** A mixture of new and attractive varieties. Pkt., 15c.

1790 **Vaughan's Special Mixture.** Made up especially from the above named varieties. ½ oz., 25c; pkt., 10c.

For Cultural Instructions, See Page 87.



1700 CHRYSANthemum Vaughan's Special Single and Double Annual Mixed. Pkt., 10c.



1994 COSMOS Double Early Flowering Mixed. Pkt., 25c.



1979 COSMOS Orange Flare. Pkt., 15c.



1950 COSMOS Early Flowering Mammoth Mixed. Pkt., 10c.

Cosmos in Flower from Summer Until Frost

While early varieties begin flowering in July, Cosmos reaches the height of its beauty in the autumn, when it becomes one of the dominant border families. Given plenty of room, the tall plants branch freely, and are effective both in their abundant flowers, and their feathery foliage. *Culture: A or B, D or E (February-April)*

No. 1979 Cosmos Orange Flare

An outstanding novelty which won the All America Gold Medal in 1935. It is a selection of the variety Klondyke, which blossoms so late it cannot be grown except in extreme southern states. Orange Flare will flower in the north in less than four months from seed, and continues to grow and bloom with increasing freedom until killing frosts. A tropical plant, it should not be sown outdoors until the ground is warm, and if started indoors, it should be given bottom heat of at least 70 degrees. Give it full sun in the garden. Cut flowers should be taken when newly opened, with low centers, when they will keep several days in water. Packets, 3 for 35c; each..... 15c



1998 CREPIS (Hawkweed). Pkt., 10c.

CREPIS (Hawkweed) □ 18 in.

Culture: A or B (March-June)

1998 Showy semi-double star flowers of bright rose color. Bushy plant attractive in the garden and useful for cutting purposes. Pkt., 10c.

CONVOLVULUS MAURITANICUS—See Perennial pages.

CONVOLVULUS, Morning Glory—See Page 53.

2000 CUPHEA Platycenta (Cigar Plant). Scarlet and black. Pkt., 20c.

Early Flowering Mammoth

1935 White. 1945 Crimson.

1940 Pink.

Price, each of the above; ¼ oz., 25c; pkt., 10c.

1950 Early Flowering Mammoth Mixed, all colors. ¼ oz., 20c; pkt., 10c.

Double Early Flowering

These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 65 per cent double from seed.

1990 Pink. 1991 White. 1992 Crimson.

Price, each of the above; pkt., 25c; 3 pkts., for 65c.

1994 Mixed. Above 3 colors. ½ oz., 35c. Pkt., 25c.

Sensation. See Novelty Pages.

CYNOGLOSSUM

Culture: A or B, D or E (March-April)

2015 Amabile, Chinese Forget-Me-Not. □ 18 to 24 in. Produces large sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ¼ oz., 25c; pkt., 10c.

2017 Amabile Pink. Similar to the above but having lovely bright pink blooms. Pkt., 15c.

2018 —Fairy Blue. 2 ft. Flowers like amabile, of bright Cambridge or sky blue tone. Pkt., 15c.

2016 Linifolium. 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c.

CYPRESS VINE □ = 10 ft.

Culture: A or B (April-June), D or E.

A graceful, twining annual climber with delicate, fern-like foliage and a profusion of star-shaped blossoms. Climbs 15 feet and blooms from midsummer to frost. Sow in May, first soaking seeds in warm water.

2040 Mixed Scarlet and White. ½ oz., 20c; pkt., 10c.

2045 Ivy-Leaved Scarlet. Pkt., 10c.



1954 COSMOS Miniature Golden. Pkt., 10c.

1954 Miniature Golden. 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 10c.



2015 CYNOGLOSSUM (Chinese Forget-Me-Not) Blue. Pkt., 10c.

2030 CYPERUS (Umbrella Plant). Pkt., 10c.

CYCLAMEN—See page 86.

Grow Dahlias From Seed



2086 DAHLIA Unwin's Dwarf Hybrids. Pkt., 25c.

Culture: *D or E* (April-May), *A or B* (May 15-July 1)
All types of dahlias, large flowered, pompon and the small bedding type so popular abroad, may be grown easily from seed and will blossom the first year. The Coltness bedding dahlias, sown outdoors when frost danger is over, will blossom in July, and are no more difficult to handle than zinnias. With the large flowered types, an earlier start is advisable. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.

DOUBLE DAHLIAS

2088 Dobbie's Orchid Flowered Mixed. A new type with petals twisted and curled, in a variety of colors. It comes 90 per cent true from seed. 25c.

2080 Double Best Mixed. 3 ft. Saved from show and fancy sorts. Pkt., 25c.

2075 Double Cactus Flowered Mixed. 3 ft. With twisted and curled petals. Pkt., 15c.

2070 Double Good Mixed. 3 ft. Pkt., 10c.

2089 Double Lilliput Mixed (Pompon). 1 ft. Small flowered, splendid assortment. Pkt., 15c.

2083 Salbach Choice Mixed. 4 ft. If you want giant show flowers try this. 100 seeds, \$1.00.

2084 Salbach Selected Mixed. 4 ft. 100 seeds, \$2.50.

2081 Selecta, Extra Double Giant Flowered. Seeds saved by a Pacific coast dahlia specialist from the largest double flowers of best varieties. Pkt., (50 seeds), 50c.

Unwin's Dwarf Hybrids. See offer above.

2091 Zulu Strain. Dark brohzy leaved plants of the Unwin type, 2 to 3 feet tall, with semi-double flowers of crimson and scarlet with occasional yellow and lilac. Pkt. (50 seeds), 35c.

Single Flowering

2055 Collarette, Mixed Colors. 3 ft. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

2057 Coltness Gem. 18 in. The color is a bright scarlet, varies, and the single flowers are produced in abundance. Fine for bedding or growing singly in the smallest gardens. Pkt., 35c.

2056 Coltness Hybrids. 18 in. Habit neat and compact, blooms from July until frost. The flowers of red and yellow have either flat or slightly fluted petals nearly all 3 inches in diameter. Pkt., 25c.

2059 Coltness Rose. 18 in. Bright rose flowers on bushy, compact plants. Color varies but all tones are pleasing. Pkt. (25 seeds), 25c.

2058 Coltness Yellow. 18 in. The single flowers are a good clear yellow. Pkt., 35c.



Tuber produced by seedling plant of Unwin's Hybrid Dahlia.

2086 DAHLIA

UNWIN'S DWARF HYBRIDS.

Flowering in sixty days from seed.

This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They flower until frost kills the plants, and produce tubers which can be saved. Pinched back, they make fine pot plants. Pkt., (40 seeds) . . . 25c

2065 Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c; ½ oz., 25c.

2090 DAHLIA

Vaughan's Special Mixture.

This mixture contains seed from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Lilliput and Cactus varieties, also the single flowering and striped sorts. Pkt., (60 seeds) . . . 25c



2090 DAHLIA Vaughan's Special Mixture. Pkt., 25c.

DELPHINIUM ANNUAL—See Larkspur.

2306 DIASCIA Barbara. □ Rose, shaded salmon, 12 inches. Pkt., 25c.

DIGITALIS (Foxglove)—See Perennial pages.

DUSTY MILLER.—See Centaurea and Cineraria.



2305 DIANTHUS Vaughan's Special Double and Single Mixed. Pkt., 10c.

Annual Pinks

DIANTHUS

This branch of the dianthus family bears both single and double flowers, fragrant, with fringed petals, and brilliant colors, often marked in contrasting stripes and spots. Started indoors, in February, plants should bloom outdoors in August. Plants will usually live over the winter outdoors, with light protection. 1 ft.

Double Flowering

2257 Chinese Double Mixed. Sometimes called Indian Pinks. Handsome clusters of very double flowers; many bright colors. Pkt., 10c. ¼ oz., 25c.

2290 Fireball. Large, double; rich, blood-red; splendid for cutting or as a border.

2258 Heddewigi Double (Double Japanese Pinks). Mixed. A fine mixture of colors, varying from the richest crimson to delicate rose.

2280 Lucifer. Double orange.

2296 Midnight. Double blood-red.

2285 Mourning Cloak. Crimson, edged white.

2295 Rosalind. Double rose.

2255 Salmon. A beautiful shade.

2293 Snowball. Compact, fringed white flowers.

2256 Tom Thumb Brilliant. Dwarf, bright red.

2283 Violet Queen. Pale violet.

Price, each of the above: pkt., 10c; any 3 pkts. for 25c.

2300 DIANTHUS

Vaughan's Special Mixture of Double Pinks.

Selection of the best double pinks in cultivation ranging in color through all the most brilliant shades. ¼ oz., 30c; pkt., 10c.

Single Flowering

2236 Heddewigi Large Flowered Single Japanese Pinks. Flowers 2 to 3 inches in diameter, borne profusely. Colors include pink, rose and white, and many marked with rose and red centers. Pkt., 10c.

2240 Laciniatus Splendens. Flowers of brilliant crimson, over 2 inches across, with fringed petals, have a boldly contrasting white center. Pkt., 10c.

2196 Salmon Queen. Salmon scarlet. Pkt. 10c.

2250 Sweet Wivelsfield. A cross of Allwoodii on Sweet William, flowers are larger with wider range of color, besides retaining the brilliant coloring of the Heddewigi strain. Some of the flowers have a honey perfume. Pkt., 15c; ¼ oz., 30c.

2245 Vaughan's Special Mixture, Single Pinks.

The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep crimson. ¼ oz., 30c; pkt., 10c.

2305 Vaughan's Special Mixture of

Double and Single Pinks. This magnificent mixture contains the cream of the

annual pinks both single and double.

¼ oz., 30c; pkt., 10c.

2115 **DATURA Double Fine Mixed.** Pkt., 10c.**DATURA (Angel's Trumpet)** □

Culture: A or B (May 15th-June 15th),
D or E (March-April)

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make fine pot plants for the greenhouse. 3 ft.

2100 Cornucopia (Horn of Plenty). Immense flowers, triplicate in form, one within the other; rich violet, with white interior.

2105 Golden Queen. Bright yellow flowers.

2110 Double White.

2115 Double Fine Mixed.

Price, each of the above: pkt., 10c.

DOLICHOS (Hyacinth Bean) □ = 10 ft.

Culture: A or B (May 15th), D or E (February-March)
A rapid-growing annual climber with large pea-shaped flowers in racemes, followed by ornamental seed pods.

2345 Lignosus (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

2330 Princess Helen (Daylight). Snow-white flowers, which resemble the dainty swainsonia, silvery seed pods. Oz., 30c; pkt., 10c.

2335 Purple Soudan (Darkness). Rose-violet flowers, dark ruby-purple seed pods. Oz., 30c; pkt., 10c.

2340 Mixed. 1 oz., 20c; pkt., 10c.

See Complete Index, Pages 114 and 115
to Find Items Quickly.

LAVENDER LACE FLOWER

Culture: A or B, D or E (March-April)

2310 Didiscus Coeruleus □ 3 ft. Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent for bedding and a desirable cut flower. ½ oz., 25c; pkt., 10c.

2310 **DIDISCUS Lavender Lace Flower.** 10c.

New Golden African Daisies

DIMORPHOTHECA □

Culture: A or B (May 15th), D or E (March-April)—For Cultural Instructions, See page 87.

THIS branch of the daisy order attracts by its interesting blends of color, which are of the class often termed Tart shades. It has the contrasting bands and centers characteristic of all South African daisies. May be sown out-of-doors where it is to flower or raised under glass in spring and planted out later, the latter method giving, perhaps, the most satisfactory results. It should be planted in well fertilized soil in the sunniest possible position. Blooms from July to October, and is excellent for mass planting.

2321 Aurantiaca Golden West. Bright golden yellow. Pkt., 10c.

2325 Aurantiaca Hybrids. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

2320 Aurantiaca (Orange African Daisy). 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 10c.

2326 Ecklonis. 3 ft. The flowers 3 inches in diameter are produced on bushes with branching stems from August, surviving light frosts. White blossoms of velvety texture are marked in the center with a rich blue or purple eye. A good cut flower. 15c.

2328 Ringens, Double. A double form of the beautiful single Dimorphotheca with a blue circle around the eye. The crest or double part is grey, not blue. This is rather unique. Pkt., 25c.

2322 Salmon Beauty. Soft salmon pink. Pkt., 10c.

2324 White Beauty. A pure, glistening white. 15c.

2325 **DIMORPHOTHECA Aurantiaca**
Hybrida. Pkt., 10c.

Culture: A or B, D or E (March-April)

2361 ERYSIMUM Perofskianum (Fairy Wall-flower). □ 12 to 18 inches. Bright orange. Pkt., 10c.

2362 —Golden Gem. Dwarf yellow. Pkt., 10c.

2360 ERYTHRINA Crista Galli (Coral Tree). Pkt., 15c.

BUSH ESCHOLTZIA—See Hunnemannia.

EUPHORBIA □ 2 ft.

Culture: A or B, D or E (March-April)

Strong growing annuals, for beds of tall plants or mixed borders; the flowers are inconspicuous but the foliage exceedingly ornamental.

2430 Heterophylla (Mexican Fire Plant). Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. ¼ oz., 25c; pkt., 10c.

2435 Variegata (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. ¼ oz., 25c; pkt., 10c.

FELICIA (Kingfisher Daisy)

2448 Aethiopica. 8 in. Daisy-like flowers ¾-inch across, clear skyblue with turf-like foliage. Pkt., 20c.

2435 **EUPHORBIA Variegata (Snow on the**
Mountain). Pkt., 10c.

Escholtzia

(California Poppy) □ 12 to 15 in.

2415 **ESCHOLTZIA Vaughan's Special**
Mixture. Pkt., 10c.

Culture: A or B, D or E (March-April)

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers are produced from early spring until frost. Sow the seed where the plants are to remain.

2370 Carmine King. Beautiful carmine-rose color, both inside and outside the flower.

2376 Chrome Queen. Lovely soft buff yellow.

2380 Dainty Queen. Blush or pale coral pink, deeper towards the edges with a ground of cream.

2385 Golden West. Flowers bright yellow and orange, penciled and blotched. ½ oz., 25c; oz., 45c.

2387 Mandarin. Inner side of the petals orange, the outer side brilliant scarlet.

2392 Mikado. Flowers lustrous orange-crimson.

2396 Ramona. Single flower with frilled edges which gives it an appearance of a semi-double. The color is a glittering coppery gold with pink shadings.

2395 Robert Gardiner. Double, orange. Pkt., 25c.

2397 Rose Cardinal. Dark rose, inside blush.

2390 Sunlight. Bright lemon yellow self.

2398 The Geisha. Orange-red outside, golden within.

2405 Vesuvius. Rich wallflower red.

2410 Double and Semi-Double Mixed.

Price, each of the above, except when noted otherwise. Pkt., 10c.

2415 Vaughan's Special Mixture. This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. ½ oz., 35c; pkt., 10c.



2475 **GAILLARDIA** *Lorenziana*, Double Mixed. Pkt., 10c.

Gaillardia

Blanket Flower □

Culture: A or B, D or E (March-April)

One of the most profuse bloomers of the flower garden, the color of the *Gaillardia* may be termed "sunset" because the flowers run to reds and orange, rosetted at the base of the petals. The flower heads are terminal and on long stems. The foliage is a good gray-green and fairly abundant. *Gaillardias* grow best in a part of the garden getting full sunlight. The soil should be porous and well drained. Start the seeds early or sow them where they are to grow. 18 in.

2465 **Amblyodon**. Deep red. Pkt., 10c.

2474 **Lorenziana Rubra**. Beautiful double red flowers. Pkt., 10c.

2475 **—Double Mixed**. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2467 **Picta Aurora Borealis**. Brown, red and yellow. Pkt., 10c.

2471 **—Indian Chief**. The blooms of this variety have an exceptional richness of color. The petals are a glittering, metallic, bronzy red color accentuated by a dark brown center. This variety is of the bedding type as it makes dense bushy plants that grow about a foot high. Throughout the Summer the plants are well covered with large single blooms. Pkt., 10c.

2466 **—Josephus**. Large red, edged yellow. Pkt., 10c.

2470 **—Single Mixed**. $\frac{1}{4}$ oz., 25c; pkt., 10c.

See also Perennial Pages and Novelties.

GESNERIA—See page 86.

2480 **GAURA** *Lindheimeri*. 3 ft. White, flushed pink. Pkt., 10c.

2484 **GAZANIA** *Longiscapa*. 6 to 8 in. Golden yellow. Pkt., 15c.



2532 **GILIA** *Capitata*. Pkt., 10c.

SPECIAL MIXTURE OF ANNUALS FOR CUT FLOWERS

No. 1400

This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has, the secret being not to allow any seed pods to form. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

GERANIUM÷

Culture: D or E (Feb.-April)

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

2495 **Apple-scented**. Leaves fragrant. Pkt., (25 seeds) 15c.

2500 **Lady Washington (Odier)**. Large flowers, beautifully blotched. Pkt., (10 seeds) 50c.

2485 **Zonale Varieties**. Saved from a choice collection. Pkt., 10c.

2490 **Large Flowering. Newest Varieties Mixed**. Pkt., (50 seeds) 15c.

GRASSES Ornamental

Culture: A or B (May 15th)

235 **Agrostis Nebulosa**. Pkt., 10c.

1150 **Briza Maxima**. Pkt., 10c.

1850 **Coix Lachrymae**. Oz., 10c.

2030 **Cyperus Alternifolius**. Pkt., 10c.

2359 **Eragrostis Elegans**. Pkt., 10c.

2848 **Hordeum Jubatum**. Pkt., 10c.

2972 **Lagurus Ovatus**. Pkt., 10c.

3920 **Pennisetum Longistylum**. Pkt., 10c.

3925 **Pennisetum Rueppelianum**. Pkt., 10c.

5654 **Tricholaena Rosea**. Pkt., 10c.

Any 3 pkts. for 25c.

2670 **Ornamental Mixed**. □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. Pkt., 10c.

GILIA □

Culture: A or B (March-June), D or E (Feb.-March)

2532 **Capitata (Blue Thimble Flower)**. 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower as the blooms last well. May also be used as everlasting, retaining their color when dried. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2534 **Coronopifolia Mixed (Standing Cypress)**. 4-6 ft. Tall stems with needle-like leaves bear trumpet-shaped flowers $1\frac{1}{2}$ inches long arranged along sides of stem near top. The colors include vermilion, salmon, apricot, rich pinks, scarlet and pure yellow. A biennial. Pkt., 15c.

2530 **Mixed**. 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.

GOMPHRENA

(Globe Amaranth) □ 18 in.

Culture: A or B (May 15th), D or E (Febr.-March)

A showy annual everlasting with clover-like heads.

2506 **Globosa Alba**. 2515 **Globosa Pink**.

2510 **—Rubra**. Red. 2525 **—Mixed, all colors**.

Price, each of the above: Pkt., 10c; 3 pkts. for 25c.

2520 **Orange**. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c.



2587 **GODETIA** Mixed. Pkt., 10c.

Godetia □

Culture: A or B, D or E (March-April)

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

2570 **Duchess of Albany**. 16 in. Pure white.

2573 **Gloriosa**. 10 in. Deep blood-red.

2579 **Lady Satin Rose**. 10 in. Bright carmine

2576 **Rosamunde**. 8 in. Fiery rose.

2581 **Sybil Sherwood**. 20 in. Luminous salmon-pink, blended with orange, softened by delicate white border. Pkt., 15c.

2583 **The Bride**. 24 in. White and red.

2582 **Thunderbolt**. 10 in. Darkest crimson yet introduced, with brilliancy unusual in dark flowers. Dwarf and compact. Pkt., 15c.

2586 **White Swan**. 1 ft. Pure satiny white, dwarf and compact. Pkt., 15c.

2584 **Whitneyi**. 15 in. Double Azalea flowered pink blossoms. Excellent for pots.

2585 **Wild Rose**. 10 in. Pastel tone of pure rose with touch of carmine which suggests the wild rose. Pkt., 15c.

2598 **Dwarf Sorts Mixed**. 10 in. Neat globular

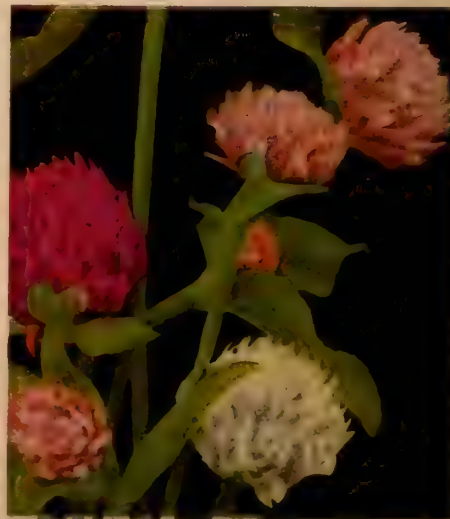
2587 **Many Sorts and Colors Mixed**.

Price, each of the above, except noted, pkt., 10c.

See also Novelties.

2540 **GLADIOLUS** Mixed. Pkt., 10c.

2545 **—Primulinus Hybrids**. 100 seeds, 25c.



2525 **GOMPHRENA** Mixed. Pkt., 10c.

For Cultural Instructions, See page 87



GOURDS, Varieties Illustrated are, 1. Miniature Bottle (2607); 2. Ornamental Pomegranate (2630); 3. Large Dipper (2610); 4. Bird's Nest (2603); 5. Hercule's Club (2618); 6. Turk's Cap, Turban (2645); 7. Spoon (2643); 8. Warted (2646); 9. Striped Apple (2601); 10. Apple (2600); 11. Sugar Trough (2640); 12. Orange (2627); 13. Calabash (2608); 14. Nest Egg (2625); 15. Pear (2635). Each, Pkt., 10c.

The flowers are often beautiful and the fruit ornamental and sometimes useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs, bowls and bird-houses. Leaflet on culture sent free if asked for with order. Gourds are growing popular for use in winter decoration and many gardeners plant collections of interesting varieties.

SMALL FRUITED

- 2600 **Apple-shaped.** Beautifully striped.
 2601 **Apple Striped.** Small Fruits.
 2607 **Bottle Miniature.**
 2625 **Japanese Nest Egg.** Practical nest eggs.
 2627 **Orange.** The well known Mock Orange.
 2634 **Pear Bicolor.** Small fruit.
 2635 **Pear-Shaped.** Striped yellow and green.
 2643 **Spoon.** Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.
 Price, each of the above; pkt., 10c, any 3 pkts., 25c.
 2650 **Small Fruited Varieties Mixed.** Pkt., 10c.

Gourds

Culture: A or B (May 20th), D or E (March-April)

2660 GOURDS Vaughan's Special Mixture. All shapes and sizes of these interesting fruits so fashionable for ornaments, bird houses, and utensils, are included in this mixture. A bonanza for collectors 1 oz., 30c; ½ oz., 20c; pkt. **15c**

LARGE FRUITED

- 2599 **Acorn.** Large ornamental yellow.
 2603 **Bird's Nest.** For bird houses.
 2602 **Bishop's Mitre.** Three colored, shaped like Bishop's crown.
 2605 **Bottle.** Large. The original Thermos bottle. Makes fine bird-houses.

LARGE FRUITED—Continued

- 2608 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used in making pipes.
 2610 **Dipper.** Fruit makes an excellent dipper and may be used for bird's nests.
 2615 **Dishcloth or Towel.** *Luffa Acutangula* known as Sing-kwa. The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of this Gourd.
 2617 **Green Snake.**
 2618 **Hercules Club.** Fruit grows 3 to 4 ft. long.
 2621 **Malabar Melon.** Green striped fruits, 8-10 inches long with edible pulp.
 2630 **Ornamental Pomegranate** or Queen's Sweet Pocket Melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens.
 2640 **Sugar Trough.** Thick shells, very durable.
 2645 **Turk's Turban.** Odd brightly colored fruit
 2647 **Turk's Turban.** Small Red.
 2648 **Turk's Turban.** Small red and green.
 2646 **Warted Sorts Mixed.**
 Price, each of the above; pkt., 10c, any 3 pkts., 25c.
 2651 **Large-Fruited Sorts.** Mixed. Pkt., 10c.

GYPSOPHILA ☐

Culture: A (March 1st on)

- Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases. 2 ft.
 2680 **Elegans Grandiflora Alba (Angel's Breath).** The London Market Strain. This is an improved large-flowering, pure white, of free, easy growth. Several sowings should be made during the season. Oz., 30c; ½ oz., 20c; pkt., 10c.
 2682 **Elegans Vivid Rose.** Pkt., 10c.
 2683 **—Crimson.** Pkt., 10c.
 2686 **—Mixed.** ¼ oz., 25c; pkt., 10c.
 2690 **Muralis.** 6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt., 10c.



2680 GYPSOPHILA Elegans Grd. Alba. 10c.

GLOXINIA— See page 86.

GOLDEN FLOWER OF THE INCAS— See Tithonia.

GREVILLEA— See page 86.

HAWKWEED— See Crepis.

HELIANTHUS— See Sunflower.

HELIOTROPE ÷

Culture: A or B (May 15th), D or E (Feb.-April)

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seed sown in the spring make fine plants for bedding out, and are as easily grown as Verbenas. 2 ft.

- 2825 **King of the Blacks.** Deep purple. Pkt., 15c
 2826 **Madam Bruant.** Dwarf variety with violet-blue flowers with white eyes. Very distinct, good for bedding. Pkt., 15c.
 2824 **Queen Marguerite.** 2 ft. Very large umbels of dark blue flowers. One of the finest. Pkt., 25c.
 2827 **White Lady.** A large flowering pure white variety. Very fragrant. Pkt., 15c.
 2830 **Fine Mixed.** Pkt., 10c.
 2820 **Mammoth Mixed.** Large flowers ranging from dark blue to lilac. Pkt., 15c.

HOLLYHOCKS (Annual) ☐ 5 ft.

Culture: A or B, D or E (March and April)

The perennial varieties flower only the second year if grown from seed; these annual kinds, however, bloom the first year, and if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July.

- 2845 **Everblooming Double Mixed.** Double and semi-double. ½ oz., 25c; pkt., 10c.
 2840 **Everblooming Single Mixed.** Large single flowers, exhibiting every shade known in Hollyhocks. ½ oz., 25c; pkt., 10c.
 (For other Hollyhocks see Perennial List.)

2815 **HELIPTERUM Sanfordii.** ☐ 12in. Chrome yellow. Everlasting. Pkt., 10c.

2818 **HELIOPHILA Linearifolia.** Blue. 15c.

2819 **—Leptophylla.** Blue. Pkt., 15c.

HUMULUS (Japanese Hop)

Culture: A or B (May 15th), D or E (March-April) Rapid climber; foliage luxuriant, making a dense covering for verandas, trellises, etc. Heat, drought and insects do not trouble it.

- 2850 **Green Leaved.** Pkt., 10c.
 2855 **Variegated Leaved.** Leaves beautifully variegated white, green and yellow. Pkt., 10c.

HONESTY— See Lunaria in Perennial pages.

HYACINTH BEAN.— See Dolichos.



2820 HELIOTROPE Mammoth, Mixed. 15c.

Helichrysums (Straw Flowers) For Winter Bouquets

Culture: D or E (February-March), A or B (May 15th-June 15th)

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers for drying should be gathered when partially unfolded and suspended downward in a cool place.



2810 **HELICHRYSUM** (Straw Flowers)
Vaughan's Special Mixture. Pkt., 15c.

2810 STRAW FLOWERS Vaughan's Special

Mixture of Helichrysums. This is a balanced blend of the varieties listed and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. $\frac{1}{4}$ oz. 25c. Pkt. . 15c

ICE PLANT

Culture: A or B (April-June), D or E.

2870 **Mesembryanthemum Crystallinum** (Fig Marigold). \square 8 in. Foliage glitters, being covered with ice-like globules and prized for garnishing; flowers, small, pinkish-white. A valuable plant for dry, sandy spots on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt., 10c.

2871 **Mesembryanthemum Tricolor**. Dwarf half-hardy annual, well adapted for sunny situations; flowers crimson and white with a dark center. Height 6 inches. Pkt., 10c.

2890 **IONOPSIDIUM Acaule**. (Violet Cress). \square 4 in. Sow between stepping stones. Pkt., 10c.

IPOMOPSIS—See Gilia.

IMPATIENS

(Zanzibar Balsam) \div \square 1 $\frac{1}{2}$ ft.

Culture: A or B (May 20th), D or E (Jan.-July)

One of the prettiest plants for pot culture and also for outdoor planting in a half shaded situation. Remarkable for its long duration of bloom.

2875 **Holstii**. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 15c.

2880 **Holstii Hybrids**. Range from pink through red shades to purplish-violet. Pkt., 15c.

2874 **Liegnitzia**. 10 in. Dwarf, free flowering vermillion. Pkt., 15c.

2881 **Sultani**. Bright rose. Pkt., 15c.

2882 **Sultani Hybrids**. Colors range from pale pink to dark crimson. Pkt., 15c.

JERUSALEM CHERRY—See Solanum.

JOB'S TEARS—See Coix Lachrymae.

KISS-ME-OVER-THE-GARDEN-GATE—
See Polygonum Orientale.

KUDZU VINE—See Pueraria.

2812 **Dwarf Double Mixed**. 1 $\frac{1}{2}$ ft. A splendid mixture of the dwarf growing varieties. Fine for bedding as it does not need staking. Pkt., 10c.

2775 **Fire Ball**. 2770 **Silver Ball**.
2780 **Golden Ball**. 2771 **Silvery Pink**.
2785 **Rose Queen**. 2795 **Violet Queen**.
2790 **Salmon Queen**.

Price, each of the above: pkt., 10c; any three pkts., for 25c.

2800 **Mixed**, all colors. Pkt., 10c.

Other Annual Everlastings

Culture: A or B (April-June) D or E

150 **Acroclinium Roseum**. Double 2 ft. 10c.

295 **Ammobium Alatum Grand**. Pkt., 10c.

2525 **Gomphrena**. Mixed, all colors. Pkt., 10c.

2815 **Helipterum Sanfordii**. Pkt., 10c.

4540 **Rhodanthe**. Mixed colors. Pkt., 10c.

4683 **Salvia Farinacea**. Pkt., 10c.

4795 **Statice Russian (Suworowii)**. Pkt., 15c.

4800 **—Bonduellii**. Yellow. Pkt., 10c.

4801 **—Sinuata Rosea Superba**. Pkt., 10.

4802 **—Sinuata True Blue**. Pkt., 10c.

5849 **Xeranthemum Double Mixed**. Pkt., 10c.

2440 **Everlastings Mixed**. 1 to 2 ft.
A mixture of all varieties we list. 10c.

2848 **HORDEUM Jubatum** \square (Squirrel's Tail Grass). Pkt., 10c.

KAULFUSSIA Amelloides

Culture: A or B (April-June), D or E.

2970 \square 6-12 inches. Dwarf, bushy plants with blue aster-like flowers sometimes with yellow disk, easy to grow. A fine rock plant. Pkt., 10c.



2965 **KOCHIA Childsii** (Burning Bush).
Pkt., 10c.

KOCHIA—BURNING BUSH

Culture: A or B (May 15th), D or E (February-April)

2965 **Childsii**. \square 2 $\frac{1}{2}$ ft. It resembles a close-clipped ornamental evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. $\frac{1}{2}$ oz., 15c; pkt., 10c.

2972 **LAGURUS Ovatus** (Hare's Tail Grass).
 \square 12 in. Pkt., 10c.



2861 **HUNNEMANNIA Sunlite**. Pkt., 15c.

HUNNEMANNIA

Culture: A or B, D or E (March and April)

2860 (Bush Escholtzia, or Santa Barbara Poppy) \square 1 $\frac{1}{2}$ ft. Another golden yellow poppy, pleasing both in the border and as a cut flower. The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2861 **Sunlite**. A double flowered poppy whose extra petals are on the outside rather than the inside of the tulip shaped flowers, giving the impression of being open, even after the cup-like blossoms have closed for the night. The flowers are a bright, canary yellow, and the foliage of the two-foot bush is a light gray-green. They like a sunny position in a well drained border and flower freely in late summer. Pkt., 15c.

LAVATERA Annual Mallows \square

Culture: A or B (March-June)

Showy and effective plants, covered during the entire summer with large gay flowers. For large borders and cutting they are very desirable. 2 $\frac{1}{2}$ ft.

2985 **Splendens Alba**. Silky, pure white. Pkt., 10c.

2990 **Splendens Rosea**. Bright rose. Pkt., 10c.

2991 **Splendens Mixed**. Pkt., 10c.

2989 **Sutton's Loveliness**. Bronzy foliage, glowing rose pink flowers. Pkt., 15c.

LAVENDER LACE FLOWER—See Didiscus.

LEPTOSYNE \square

Will flower in 5 weeks

Culture: A or B (May 15th on)

3015 **Maritima**. (Sea Dahlia.) 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. Pkt., 10c.

Culture: A or B (March-July)

3010 **Stillmanii**. 1 $\frac{1}{2}$ ft. One of the quickest flowering annuals, blooming within five weeks from date of sowing, and the golden yellow cosmos-like flowers continue in perfection for a long period. Excellent for cutting. 10c.

3000 **LEPTOSIPHON**. French Hybrids. \square 6 in. Pkt., 10c.

See Complete Index, Pages, 114 and 115, to Find Items Quickly.

Heavenly Blue Morning Glory

2941 Clark's True Early Flowering Strain, Pkt., 15c.

One of the few flowers of true blue and probably finest of all morning glories. Flowers measure 3½ to 4 inches across, deep blue with white throat. They blossom profusely and for a long season, opening in the morning and facing the sun. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot, in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not overfeed as this may limit flowers. Sow in gravelly, sandy soil and give southern exposure. ¼ oz., 40c; pkt., 15c

Dwarf Morning Glory. 1 ft.

Culture: A or B (April-June), D or E.

Showy hardy annuals for beds and borders, also rock-work; they bloom for a long period and delight in sun.

1919 Dwarf Blue. Beautiful blue flowers on a dwarf bushy plant, a good match for Heavenly Blue. Fine for edging or rock work. Oz., 25c; pkt., 10c.

1921 Dwarf Rose. Exactly like above but a lovely rose color. Oz., 25c; pkt., 10c.

1920 Mixed, all colors. 1 oz., 15c; pkt., 10c.



1919 DWARF BLUE MORNING GLORY. Pkt., 10c.

2925 JAPANESE MORNING GLORIES
Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants, do best when protected from north and west wind. 1 oz., 30c; ½ oz., 15c; pkt., 10c.

2915 Imperialis (Japanese Morning Glory),
Fine Mixed. 1 oz., 20c; ½ oz., 15c; pkt., 10c.



2925 JAPANESE MORNING GLORY
Vaughan's Special Mixture. Pkt., 15c.

Moonflowers and Morning Glories

□ = 20 ft.

Culture: A or B (May 15th), D or E (February-April)
Beautiful rapid annual climbers. Foliage very dense and, in some kinds, of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

2895 Bona Nox (Evening Glory). Violet flowers. Pkt., 10c.

2900 Coccinea (Star Ipomoea). Small scarlet flowers in great profusion. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moon Flower). Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Pkt., 10c.

2910 Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

2945 Rose Marie. New double and semi-double, free flowering, deep rose pink flower. Pkt., 10c.

2950 Setosa (Brazilian Morning Glory). Leaves are 9 inches across; flowers 2 inches, tinted pink with a five-pointed star of satiny pink, followed by curious seed pods. Pkt., 10c.

CONVOLVULUS (Morning Glory)

Culture: A or B (April-June), D or E.

The common Morning Glory is too well known to need a description.

1900 Mixed, all colors. 1 lb., \$1.00; ¼ lb., 30c; 1 oz., 15c; pkt., 10c.

1905 Double Mixed. The flowers are double and semi-double and some are fringed. Pkt., 10c.

2995 LAYIA Elegans. (Tidy Tips.) Pkt., 10c.

LANTANA

Culture: D or E (February-April)

2980 Dwarf Hybrids. Mixed. Pkt., 15c

2975 Hybrida, Mixed. +2 ft. Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.

ANNUALS FOR ROCK GARDENS FOR SUMMER COLOR

Abronia	Lobelia
Alyssum	Marigold Dwarf
Anagallis	Mesembryanthemum
Brachycome	Myosotis Dwarf
Chorizanthe	Nasturtium Dwarf
Dianthus Tom	Nemophila
Thumb	Oxalis Cloth of Gold
Dianthus	Phacelia
Hedgewigi	Campanularia
Dimorphothea	Portulaca
Erysimum	Phlox Drummondii
Perofskianum	Dwarf
Gazania	Sanvitalia
Longiscapa	Saponaria
Gilia	Statice
Gypsophila	Thunbergia
Muralis	Torenia
Kaulfussia	Ursinia
Ameloides	Verbena
Leptosiphon	Virginia Stock
Hybrids	Zinnia
Leptosyne	
Linaria	
Linum	

4574 Rock Garden Annuals, Vaughan's Special Mixture. A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; Pkt., 25c.



2941 MORNING GLORY. Clark's Early Flowering Heavenly Blue. Pkt., 15c.



2905 WHITE MOONFLOWER. Pkt., 10c.

LINUM □

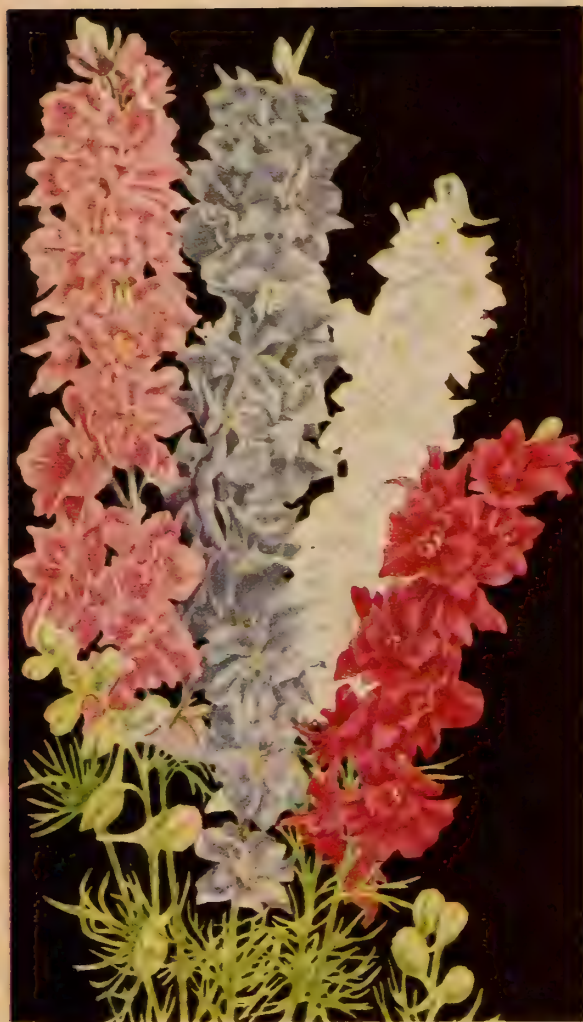
Culture: A or B (March-June)

3019 Grandiflorum Coeruleum (Blue Flax.) 1½ to 2 ft. Dainty flowers of pale blue. Pkt., 10c.

3020 Grandiflorum Rubrum (Crimson Flax). 2 ft. Brilliantly colored summer annuals, glowing crimson-rose. May be had in bloom from May to October by successive sowings. Pkt., 10c. 1 pkt. each above, 15c.



2975 LANTANA Hybrida Mixed. Pkt., 10c.



2170 LARKSPURS, Vaughan's Special Mixture. (Annual)
Pkt., 15c.

LINARIAS (BABY SNAPS) ☐

Culture: A or B (March-June)

This is a hardy annual with small dainty flowers resembling miniature Snapdragons and in addition each flower has a long Columbine-like spur. It makes a nice cut flower and the clumps form an interesting feature of the annual border. Blooms in about eight weeks from seed. To get the best results seed should be sown thinly, the seedlings thinned out to about 18 inches. 12 to 18 in.

- 3028 Chamois. 3031 Golden Gem.
3029 Crimson and Gold. 3032 Lavender shades.
3030 Carmine shades. 3033 Snow White.

Price, each of the above: Pkt., 10c; 3 for 25c

3039 **Fairy Bouquet.** In mixed colors like Maroccana hybrids, except that this new strain is greatly improved by more compact growth, eight inches tall, and with extra large flowers of a great variety of distinct colors, such as rose, yellow, pink, lavender, carmine, red, violet, white and salmon. Pkt., 15c.

3034 **Maroccana Hybrida Excelsior, Mixed.** Colors range through crimson and gold, pink, mauve, dark blue and chamois and rose, with many lighter art shades. Pkt., 10c; ¼ oz., 25c.

LOBELIA CARDINALIS and **LOBELIA SYPHILITICA**, See Perennial Pages.

Wayne, Mich.

I had an ounce of your Surprise Garden Mixture last summer and I surely enjoyed every day they bloomed. I passed many hours looking through your catalog trying to identify some of the many flowers which were unknown to me.

Mrs. A. W.

2170 **LARKSPURS** Vaughan's Special Annual Mixture. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., \$1.00; ¼ oz., 30c; pkt., 15c.



3039 LINARIA Fairy Bouquet. Pkt., 15c.

See Complete Index, Pages 114 and 115
to Find Items Quickly.

Annual Larkspurs

WHITE, BLUE AND PINK COMBINATIONS

One packet each of 2120 Dark Blue, 2135 Lustrous Carmine (Newport Pink), 2145 White Double Stock flowered type, (3 pkts.,) for 20c.
One packet each of 2166 Blue Spire, deep Oxford blue, 2156 Los Angeles, rich deep salmon, and 2168 White Spire Giant Imperial base branching type (3 pkts.,) for 30c.

LARKSPURS are one of the important families of annuals that have been greatly improved by modern breeding methods. Perfectly hardy, they flower quickly from seed sown early in the open, and if the faded blossoms are kept cut, will give a long season of bloom. The new pinks are especially fine and with the dark blue varieties furnish a vivid color contrast. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E (March or April)

Double Stock Flowered 3 to 4 ft. ☐

- 2120 Dark Blue. 2135 Lustrous Carmine. 2140 Sky-Blue.
2121 Dark Rose. (Newport Pink.) 2145 White.

2130 Lilac.

Price, each of the above: oz., \$1.00; ¼ oz., 30c; pkt., 10c.

2150 **Stock Flowered Mixed.** All colors. Oz., 60c; ¼ oz., 20c; pkt., 10c.

2124 **Empress Rose.** A rich pink changing to hermosa pink. It is everblooming. Super branching Larkspur grows 6 ft. tall. Pkt., 10c.

2129 **La France.** The flowers are a pleasing salmon-pink, very large and double, well-placed on long stems. Pkt., 10c.

2138 **Rosamond.** A pure rose color, a shade which has been entirely lacking in larkspurs up to this time. Pkt., 15c.

2160 **Dwarf Rocket Mixed.** 20 in. ¼ oz., 25c; pkt., 10c.

2165 **Emperor Mixed.** 2 ft. Produces an abundance of long, slender spikes in the most delicate colors. Pkt., 10c; ¼ oz., 25c.

Giant Imperial (Base Branching)

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

2151 **Blue Bell.** Is a fine medium blue larkspur, deeper than sky blue, yet much lighter than lilac.

2166 **Blue Spire.** Deep Oxford blue.

2152 **Carmine King.** Deep carmine rose.

2153 **Daintiness.** Delicate lavender.

2155 **Exquisite Pink Improved.** Soft pink shaded salmon.

2159 **Giant Imperial Mixed.** The above and others.

Price, any of the above, pkt., 15c. Any 3 pkts. for 35c.

See also Perennial pages and Novelties.

2169 **Exquisite Rose.** Rose pink.

2167 **Lilac Spire.** Lilac.

2156 **Los Angeles.** A richer color than La France, a shade between salmon and rosy scarlet.

2157 **Miss California.** Deep pink shaded salmon.

2168 **White Spire.** Dazzling pure white.

CHINESE LARKSPUR (Delphinium Chinensis).

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual; though it is a hardy perennial and plants will last many years. Fine for beds and border masses.

7510 **Blue Butterfly.** 16 in. Deepest blue. Pkt., 15c.

7520 **Chinese Blue.** 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Pkt., 10c.

7525 **—Album.** 2-3 ft. Pure white. Pkt., 10c.

7522 **—Cambridge Blue.** 2 to 3 ft. This variety is a really good light blue, far surpassing Belladonna in brilliancy. Pkt., 25c.

7526 **—Tom Thumb Ultramarine.** 1 ft. A pretty dwarf species, with beautiful flowers in open panicles in ultramarine blue. Pkt., 15c.

7530 **—Mixed.** Pkt., 10c.

7515 **Lavender Butterfly.** Pale blue. Pkt., 15c.

7516 **White Butterfly.** Pure white with sulphury buds. Pkt., 15c.

LYCHNIS—See Perennial Pages.

3211 **MARTYNIA Fragrans.** ☐ Mauve. 18 in. Pkt., 10c.

For Cultural Instructions, See Page 87.

Lobelias for Vivid Blues

Culture: D or E (Feb.-April), A or B (May 15th on)



3040 LOBELIA Bedding Queen. Pkt., 10c.

Annual Lupines

Culture: A or B (March-June), D or E (March-April)
Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers, richly and variously colored. The fine, dark, glossy foliage of the Lupin makes an admirable foil and background for the long blooming spikes of blue, white, yellow and rose; valuable for mixed borders, beds and for cutting; prefers a little shade. 2 ft.

3095 Annual Yellow. Beautiful canary yellow.

3075 Hartwegii, White. Pure white flowers.

3085 —Cambridge Blue. Sky blue.

3080 —Oxford Blue. Dark blue.

3090 —Tricolor Rose Queen. Rose colored flowers.

3076 King Blue. 3 to 4 ft. Base branching spikes with 6 to 8 stems bear enormous flowering spikes of rich Oxford blue, with a pure white stripe in the standard of each flower. They rival the perennial lupins, but grow quickly to flowering size from seed.

3100 Subcauosus (Texas Bluebonnet.) 15 in. Charming bushy plants. The flowers are of a delightful blue, with a distinct heart shaped blotch or eye of deep rosy flesh.

Price, each of the above, pkt., 10c. 3 pkts., for 25c.

3110 Dwarf, Annual Sorts Mixed. 1 ft. Pkt., 10c.

3105 Tall Annual Sorts, Mixed. 1 oz., 30c; pkt., 10c.

See also Perennials and Novelties

3215 MAURANDIA Mixed. Pkt., 10c.



3105 LUPINUS Tall Annual Mixed. Pkt., 10c.

Dwarf Varieties

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

3040 Bedding Queen. 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 10c.

3041 Blue Gown. Clear deep blue, without eye, fine compact habit. Pkt., 25c.

3042 Blue Stone Re-Selected. Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.

3053 Cambridge Beauty. Large light blue flowers, green foliage. May be used as a border plant or to decorate a hanging basket. A charming variety. Pkt., 25c.

3045 Crystal Palace Compacta. 4 in. Deepest blue, dark foliage. Pkt., 10c.

3055 Dwarf Pink. Pkt., 10c.

3050 Emperor William. 4 in. Clear sky-blue with green foliage. Pkt., 10c.

3052 Gracilis. 10 in. Light blue. Pkt., 10c.

3057 Mrs. Clibran. Beautiful for bedding having flowers of rich deep blue with clear, large white eye. Pkt., 15c.

3056 Snowball. White. Pkt., 10c.

3067 Tenuior. 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.

3070 Mixed Colors. 1/4 oz., 25c; pkt., 10c.

Trailing Varieties

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3061 Hamburgia. Sky-blue with white eye. Pkt., 10c.

3051 Prima Donna. 10 in. Velvety crimson. Pkt., 10c.

3059 Royal Purple. 10 in. Dark foliage and stems, flowers deep navy blue with white eye. Pkt., 10c.

3065 Sapphire. Large, deep blue flowers, with a pure white eye. Pkt., 15c.

3060 Speciosa. 10 in. Dark blue, dark foliage. Pkt., 10c.

MATRICARIA

Culture: D or E (Feb.-March), A or B (April-June)

3205 Capensis Fl. Pl. (Feverfew). 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.

3208 Golden Ball. 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

3209 Snowball. 10 in. Profuse blooming bedding plant, double white flowers. Pkt., 10c.

Sow For Fragrance

EVENING SCENTED STOCK

Culture: A or B (March-June)

3212 Matthiola Bicornis. 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. 1 oz., 30c; pkt., 10c.

MIGNONETTE (Reseda)

Culture: A or B (March-June)

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting and combining in bouquets with other more pretentious blossoms lacking its delicate odor.

3225 Bismarck. 1 ft. The red flowers are larger in every way than those of other sorts, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt., 10c.

3236 Giant Rocket. 2 ft. The largest and most robust variety. The flowers are wonderfully fragrant and many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. Pkt., 10c. 1/4 30c.

3234 Golden Goliath. A grand novelty with deep golden yellow flowers. Pkt., 15c.

3245 Machet. 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. 1/4 oz., 25c; pkt., 10c.

3260 Mixed. Many shades and types. Pkt., 10c. 1/2 oz., 25c; oz., 40c.



3290 MARVEL OF PERU (Four o'Clocks) Mixed. Pkt., 10c.

Four o'Clocks

MARVEL OF PERU

Culture: A or B (May 15th-June), D or E (Feb.-Mar.)

This old-fashioned flower of bushy habit bears profusely flowers of white, yellow, crimson and violet. As a hedge plant, its glossy foliage is closely set and dotted all over in the afternoon with a multitude of flowers. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers.

3307 Lilac.

3309 White.

3305 Red.

3308 Yellow.

3306 Rose.

Price, each of the above, oz., 30c; pkt., 10c.

3310 Sweet-Scented. 28 in. White. Pkt., 10c.

3297 Dwarf Mixed. 1 ft. Pkt., 10c.

3290 Mixed Colors. 1/4 lb., 35c; 1 oz., 15c; pkt., 10c.

MIMOSA (Sensitive Plant)

Culture: D or E (Feb.-April), A or B (May 15th)

3270 A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Pinkish white flowers. Pkt., 10c.

MIMULUS

Culture: D or E (February-March)

3275 Moschatus (Musk Plant). 10 in. Trailing plant for damp, shady places. Small yellow flowers. Fine for the rock garden. Pkt., 25c.

3281 Red Emperor. A gem for the border and rockery, bright crimson scarlet, very free flowering and of compact habit. Pkt., 25c.

3280 Tigrinus (Monkey Flower) Queen's Prize, Single Mixed. 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers, ranging through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Pkt., 10c.



3245 MIGNONETTE Giant Machet. Pkt., 10c.



3124 MARIGOLD Yellow Supreme. Pkt., 10c.

Double Tall African 30 in.

3134 Alldouble Orange. Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. Pkt., 15c.

3133 Alldouble Lemon. Yellow, same as preceding only the color is light yellow, about 90% double. Pkt., 15c.

3132 Golden Beauty. A new color in African Marigolds, soft golden-yellow, petals semi-quilled, very double. Beauty Marigolds are an interesting variation. The flowers are rather flat as contrasted to the ball-like type. Pkt., 15c.

3137 Golden Emblem. Is a rich gold with very large flowers measuring from four to five inches in diameter. The color is a mid-shade between Lemon Queen and Orange Queen. Pkt., 15c.

3130 Lemon Queen. These are lemon color, but the formation of the flower is exactly like the Orange Queen. $\frac{1}{8}$ oz., 25c; pkt., 10c.

3135 Orange Queen. Large, perfect, double quilled flowers of a rich, deep, golden orange. Very attractive. $\frac{1}{8}$ oz., 25c; pkt., 10c.

3126 Prince of Orange. An English selection. Claimed to be the best of the orange strain. Stiff stemmed. Pkt., 15c.

Double Tall French 24 in.

3144 Dark Brown. Pkt., 10c.

3146 Lemon Yellow. Pkt., 10c.

3145 Golden Yellow. Pkt., 10c.

3147 Striped (Royal Scot). The large, well-formed double flowers are produced in abundance on plants from 24 to 30 inches in height. The color is a charming combination of mahogany and gold in symmetrical stripes which radiate from the center of the flower. Pkt., 10c.

3148 Double Tall French. Mixed. Pkt., 10c.

3157 Single Tall French Josephine. Dark maroon-brown with an edging of old gold, and a glint of crimson, with petals of rich velvety texture, borne on long stems. Plants grow 2 ft. high, bushy. Flowers are fine for cutting and win many prizes in arrangements. Pkt., 10c.

3150 MARIGOLD Vaughan's Special Tall Mixture. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color, in shades of yellow, cream, orange, rusty brown, old gold, etc. $\frac{1}{8}$ oz., 25c; pkt., 15c.

CARNATION FLOWERED

3123 MARIGOLD "Guinea Gold." This is a distinct type of graceful pyramidal habit, growing 2 to 2½ feet high, and producing 30 to 40 flowers, 2 to 2½ inches across, of a brilliant shade of orange flushed with gold. Unlike the ordinary African Marigold, this new variety produces no single flowers, but practically 100 per cent double. The characteristic Marigold odor is less pungent. This is an early flowering sort. $\frac{1}{8}$ oz., 25c; Pkt., 10c.

Marigolds

Culture: A or B (May 15th-June), D or E (Feb.-April)
From midsummer to fall when many other plants are past their prime, Marigolds afford a wealth of color that is invaluable. No flower family has been more improved in the last few years.

Chrysanthemum Flowered—See Front Cover.
See also Novelties.

YELLOW SUPREME

3124 A large bloom of delicately mild honey fragrance, with broad, loose, frilled petal of a rich, creamy lemon-yellow. Holds freshness fully a week to 10 days when cut. Plants are remarkably healthy, vigorous and free branching with foliage which is practically free from that objectionable Marigold odor. Pkt., 10c.

3121 Dixie Sunshine. 3 ft. Ball shaped flowers, 2 to 2½ inches in diameter, of brilliant golden yellow, are borne on vigorous, bushy plants, in the fall. Because of its lateness plants for northern gardens should be started in February. The fully double flowers resemble chrysanthemus. Pkt., 25c.



3133 MARIGOLD All Double Lemon. Pkt., 15c.

3175 MARIGOLD Vaughan's Special Mixture of Dwarf Double and Single Varieties. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers, including listed varieties and many others of charming variations. $\frac{1}{8}$ oz., 20c; pkt., 10c.



3179 MARIGOLD Little Giant. Pkt., 15c.



3174 MARIGOLD Harmony. Pkt., 15c.

Dwarf French Double Sorts 10 in.

3164 Dark Brown. **3165 Gold Striped.**
3167 Gold Ball. **3168 Lemon.**

3166 Robert Beist. A warm shade of shining purple scarlet.

3169 Yellow Spotted Brown.

3170 Yellow with Brown Margin.

Price, each of the above, packet, 10c.

3174 Harmony. A remarkable break which differs from others in habit, shape and coloring. Flowers, in form suggesting a Scabiosa, are a bright golden-yellow bordered with a rich maroon-red. The plants being about 12 inches high, and very bushy habit, form excellent material for bedding. Pkt., 15c.

3171 Monarch Strain of Dwarf French,

Double Mixed. Symmetrical compact habit, comprising a wide range of fine colors including orange, bronze and mahogany. The color combinations are very glowing, giving a rich and pleasing effect to the group or border. Pkt., 10c; $\frac{1}{8}$ oz., 25c.

3172 Monarch Strain Re-Selected

Golden Ball. This re-selection of an increasingly popular section of Marigold is really so advanced in color and form on the old Golden Ball that it deserves a place in our gardens. It has exceptionally large flowers for a French variety; is intensely double and the deepest orange color. 15c.

Double Dwarf

3159 Double Dwarf Queen (Golden Queen) is admirably adapted for bedding use. The plants are sturdy and free flowering, forming a veritable pyramid of bloom. The flowers are a fine golden-yellow, from 2 to 3 inches across, with rather flat petals giving a novel effect. Pkt., 15c.

3160 Mixed (Pride of the Garden). 15 in. Immense golden yellow flowers, compact dwarf habit forming dense bushes. Pkt., 10c.

Single Dwarf Varieties

3178 Fire Cross. The ground color is a deep orange-yellow, while each of the eight petals carries a large crimson-maroon blotch. Pkt., 10c.

3180 Gilt Edge. 8 in. Velvety maroon, edged with yellow. Pkt., 10c.

3185 Golden Star. Golden yellow petals with pure ple-red streaks radiating from center. Pkt., 10c.

3190 Legion of Honor. 8 in. Flowers rich golden yellow, marked with velvety brown. Best for edging. Pkt., 10c.

3179 Little Giant is a selection of the Signata Pumila type. Plants grow only 4 to 6 in. high with a spread of 8 to 10 inches, the foliage covered with dainty golden-orange flowers. Pkt., 15c.

3200 Mexican Marigold (Signata Pumila). 10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripe down the center of each petal. Pkt., 10c.

3201 Lucida. 15 to 18 in. August to November. Odor of anise. Upright plant. Small golden single flowers in clusters. Pkt., 10c.

Lilliput Dwarf Double

Bushy plants covered with small flowers excellent for edging. 8 inches.

3161 Brown.

3163 Sulphur.

3162 Golden.

3163A Mixed.

Price, each of the above. Pkt., 10c

Double Fragrant Nasturtiums

Culture: A or B (May 15th-June), D or E (March-April)—For Cultural Instructions see page 87. NASTURTiums will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. In very dry seasons the Tall sorts have a tendency not to run on a poor soil, and if a trellis is to be covered quickly the plants should be encouraged by watering in the early stages of growth; in wet seasons the Dwarfs have a tendency to run and to produce more leaves than flowers, and they should therefore be sown on poor soil.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphids if I sprinkle moth balls on the ground quite close to the stems of the plants."

New Dwarf Doubles

3559 Dwarf Double, Scarlet Emperor. This is the double form of Empress of India with glistening dark leaves. Scarlet Emperor has full double flowers of a very rich deep scarlet color, a few shades deeper than Scarlet Gleam with dark green foliage. The contrast is stunning; and the flowers are of course sweetly scented. Pkt., 25c.

3558 Dwarf Golden Globe. Identical in color with the popular Golden Gleam, it has the same fragrant double flowers, but is of dwarf, compact habit, making bushy plants which the freely produced blossoms convert into mounds of gold. This is a most useful form for beds, borders, pot plants. Pkt., 25c; oz., 50c.

3560 Dwarf Double Gem Mixed. The plants are dwarf and compact, ideal for border edging beds and window boxes. It produces an evenly balanced range of bright colors. The double flowers are of good size and sweet scented. Some plants have light foliage and some green. Pkt., 15c.



3560 NASTURTium Dwarf Double Gem Mixed. Pkt., 15c.

TALL DOUBLE NASTURTiums (Gleam Type)

3735 Golden Gleam. Golden Gleam is maintaining its position as the best known and popular novelty of the past three seasons, becoming even more popular as time goes on. The large double, sweet-scented golden yellow flowers on long stems are borne profusely well above the bright green foliage of the neat semi-dwarf plants. Pkt., 10c; oz., 20c; 2 oz., 35c.

3736 Scarlet Gleam. The flowers are a fiery orange-scarlet. The individual blooms are almost three inches across, much larger than any Nasturtium ever known. The sweet fragrance is more pronounced, and the double flowers more uniform. The foliage is the same lush green characteristic of Golden Gleam, and the contrast of the large, double, fiery orange scarlet flowers above their cool restful green leaves is vivid. Pkt., 10c; ½ oz., 25c; oz., 40c.

3739 Double Glorious Gleam Hybrids. The Hybrids are a collection of gorgeously colored, large, well-formed flowers of such dazzling beauty that the mind hesitates to credit the evidence of the eyes. Colors certainly never seen before in a double nasturtium abound in profusion—glorious flowers of salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. They thrive under almost any cultural conditions, and this factor, combined with the brilliance of their colors, assures Gleam Hybrids of a universal popularity. Pkt., 10c; ½ oz., 20c; oz., 30c.

3737 Orange Gleam. Pkt., 10c; ½ oz., 20c; oz., 30c.

3738 Salmon Cerise. Pkt., 10c; ½ oz., 20c; oz., 30c.

Dwarf Single Varieties 1 ft.

3480 Empress of India. Very dark leaves, crimson.

3485 Golden King. Golden yellow.

3490 King of Tom Thumbs. Intense deep scarlet, dark foliage.

3495 King Theodore. Deep red flower, dark foliage.

3500 Laciniatum Mixed. The flowers are deeply lacinated and appear in many attractive colors

3520 Ruby King. Ruby-red, dark-leaved.

3550 Spencer, Mixed. Curly foliage and flowers in many bright colors.

3555 Variegated-Leaved, Mixed.

3530 Vesuvius. Salmon, dark leaved.

Price, any of above dwarf sorts, pkt., 10c; oz., 20c.

Forget-Me-Nots

MYOSOTIS □

Culture: C (June-Sept.), Set out (Sept.-Oct.)

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Respond to good treatment and flourish in shady, moist situations. The national flower of Belgium

3320 Alpestris Blue. Trailing habit. Pkt., 10c.

3325 —Alba. White. Pkt., 10c.

3322 —Blue Basket. This is the darkest of all Forget-Me-Nots. Plants grow upright and are splendid for borders or cutting. Pkt., 20c.

3321 —Blue Eyes. The plant is robust growing, and of fine constitution, very floriferous. The color is a telling bright blue, and, when seen in the mass is particularly effective. Pkt., 15c.

3328 —Indigo (Sutton's Royal Blue). Pkt., 10c.

3331 —Messidor. Large indigo blue flowers on long stems. Good cut-flowers Pkt., 25c.

3330 —Rosea. Pink. Pkt., 10c.

3345 —Mixed. ½ oz., 25c; pkt., 10c.

The Bouquet type is a compact upright grower of the pillar or column type, blooms so freely the plants are completely smothered with flowers. 1 ft.

3350 Blue Bouquet. Royal blue color.

3351 Indigo Blue Bouquet. Dark blue flowers.

3352 Pink Bouquet. Charming pink shade.

3353 White Bouquet.

Price, each of the above, pkt., 15c; or 3 pkts. for 35c.



3340 MYOSOTIS Victoria Azure Blue. 10c.

Dwarf Forget-Me-Nots

Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

3340 Victoria Azure Blue, with yellow center.

3341 —Indigo Blue. **3342 —Rose.**

3343 —White.

Price, each of the above, pkt., 10c; 3 for 25c.

3739 NASTURTium Double Glorious Gleam Hybrids. Pkt., 10c.

Tall Single Nasturtiums

3585 Dunnett's Orange. Bright orange.

3640 Emperor of India. Very dark foliage. Rich deep scarlet flowers. The best red.

3665 Variegated-Leaved Varieties. Many colors Mixed. Very showy flowers. Leaves light green, beautifully marbled and blotched with white.

Price, each of above, pkt., 10c; oz., 20c.

3745 Vaughan's Special Mixture of Tall Nasturtiums

In this will be found all the choicest colors of all the Tall Nasturtiums, the new double Golden Gleam, and Glorious Gleam Hybrids, Canary Bird Creeper and the variegated-leaved varieties. 1 lb., \$1.50; ¼ lb., 40c; 1 oz., 15c; pkt., 10c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums

This mixture is put up by ourselves from named sorts, and contains a large share of the Lilliput and the dwarf Chameleon, which have the richest and most varied combination of colors. Also the new Double Flowering Sorts. 1 lb., \$1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.



3390 NICOTIANA Affinis. Pkt., 10c.

Nicotiana

Sweet-Scented Tobacco Plant ☐

Culture: A or B (March-June), D or E (March-April)
One of the easiest annuals to raise and one of the most fragrant. The blossoms are not unlike a Petunia blossom, but with a longer tube. They open toward evening and emit a powerful perfume. 2 ft.

3390 Affinis. One of the most delightfully fragrant flowers. A bed planted near the house will perfume the evening air. A showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. $\frac{1}{2}$ oz., 25c; pkt., 10c.

3392 Affinis Hybrids. Splendid hybrids in blue, red and rose shades. Pkt., 10c.

3393 Crimson Bedder. A new dwarf strain, about 15 in. high, admirably suited for bedding purposes, and also for pots in the green-house. The flowers are of a rich deep crimson, freely produced, and make a striking effect. Pkt., 15c.

3395 Sanderæ. A hybrid, branching habit, bearing on light, graceful stems, quantities of rosy carmine flowers. Pkt., 10c.

3396 Sanderæ Crimson King. Dark velvety crimson-red flowers. Pkt., 10c.

3397 Sanderæ Hybrids. All shades. Pkt., 10c.

3405 Sylvestris, 4 ft. Pyramidal habit, with long, tubular, pure white flowers, in panicles. Pkt., 10c.

3389 NICANDRA (Shoo Fly Plant). ☐ 3-4 ft. Grown for showy blue flowers and odd fruits. Pkt., 10c.

3410 NIEREMBERGIA Gracilis ☐ 6 in. White flowers, graceful plant for rockwork, etc. Pkt., 10c.



4101 PHACELIA Campanularia. Pkt., 10c.

3393 NICOTIANA Affinis
Crimson Bedder. Pkt., 15c.

3420 NIGELLA Miss Jekyll. Pkt., 10c.

Nigella ☐

Culture: A or B (March-June), D or E (Febr.-April)

3420 Miss Jekyll. A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender cornflower-blue, nestling in fine feathery foliage. $\frac{1}{4}$ oz., 15c; pkt., 10c.

3422 Miss Jekyll White. Pkt., 10c.

3415 Mixed (Love-in-the-Mist). A compact, free-flowering plant with finely cut foliage, curious-looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. 18 in. Pkt., 10c.

NEMOPHILA (Baby Eyes) ☐

Culture: A or B (March-June), D or E (March-April)
Hardiest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out-of-doors in spring, in patches, where they are to flower. 6 inches.

3376 Insignis, Blue. A popular plant for pots or borders. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c.

3380 Mixed, all colors. Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

ORNAMENTAL GRASSES—See page 50.

3910 PASSIFLORA Coerulea Grandiflora. (Passion Flower.) Blue. Pkt., 10c.

PHACELIA Campanularia ☐

Culture: A-B (March-June), D or E (March-April)

4101 8 in. Sow where they are to grow to produce a beautiful blue carpet of dwarf plants bearing terminal racemes of gentian-blue flowers with conspicuous white anthers; effective for edgings, etc., and a charming pot-plant. One of the earliest annuals and blooms a long time. $\frac{1}{2}$ oz., 25c; pkt., 10c.



3926 PENTSTEMON Sensation Mixed. 25c.

Pentstemon

Beard Tongue ☐

Culture: D or E (Jan.-March)

3926 Sensation Mixture. Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color 2 ft. Pkt., 25c.

3928 Sensation Pink Shades. Charming selection of various shades of pink. Pkt., 25c.

3927 Sensation Red Shades. Produces large handsome stalks of gloxinia-like flowers often 2 in. across and in dazzling red shades. Pkt., 25c.

3929 Sensation Violet Shades. Pkt., 25c.

3931 Miniature Hybrids. $2\frac{1}{2}$ ft. A new strain bearing long graceful spikes of miniature flowers, similar to Gloxinioideis but with a wider color-range. Early, keeps well when cut. Pkt., 25c.

See Perennial pages for other varieties.

NEMESIA

Culture: D or E (February-March)

This is one of the dwarf annuals which make pleasing masses of low growth for foreground beds, and edging. The orchid-like flowers, which are often three quarters of an inch across, are varied in color, ranging from rose, yellow-orange and blue. It dislikes hot, dry weather and should have an early start in greenhouse or hot-bed so it can flower before midsummer.

3361 Dwarf, Aurora. 8 inches. Upper petals are dazzling turkey-red and the lower ones milk-white.

3365 —Blue Gem. 7 inches. One of the best blue annuals for bedding.

3362 —Fire King. Bright red.

3363 —Orange King. Brilliant orange.

3364 —White.

Price, each of above, pkt., 25c; 3 pkts. for 65c.

3366 Large Flowered Blue.

3372 Large Flowered Orange.

3373 Large Flowered Rose.

3368 Large Flowered Scarlet.

3374 Large Flowered White.

Price, each of above: pkt., 15c; any 3 pkts. for 35c.

3360 Large Flowered Mixed. 1 ft. Is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt., 15c; $\frac{1}{2}$ oz., 35c.

3359 NEMESIA Triumph Hybrids. A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form, and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt., 15c.

3439 OENOTHERA Lamarckiana. (Evening Primrose). Yellow. Pkt., 10c.

3435 Mixed. Pkt., 10c.

New Giant Pansies

Culture: C (May-July); Pot up July-Sept., winter in cold frame.

PANSIES, garden favorites since Shakespeare's time, have been marvelously improved. One may select from the strains listed below for whatever quality one may prefer—for size, color, or free blooming—in some cases finding all three combined. In the Swiss Giants and Maple Leaf Giants, a size has been attained, which not long ago would have been incredible. To have a bed of pansies one must start the seed in the house in early spring and transplant when danger of frost is over, or else plant in fall in cold frame and winter over. Seeds may also be sown in spring out-of-doors for late summer and fall flowering.

VAUGHAN'S IMPROVED SWISS GIANT

3890 The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. Pkt., 25c; ½ oz., 90c; ¼ oz., \$1.50; 1 oz., \$2.50; 1 oz., \$8.00.

3892 Swiss Alpenglow (Crimson Queen). Rich cardinal and garnet shades. Vivid and attractive.

3896 Swiss Berna. Dark violet blue.

3891 Swiss Blue. (Ullswater) (Thuner Sea). A solid blue flower with blue black blotches.

3897 Swiss Delft Blue. A delightful tone of translucent blue of good size and substance.

3895 Swiss Luna. Light straw yellow.

3900 Swiss Pure White. Very free-blooming.

3899 Swiss Pure Yellow.

3893 Swiss Yellow (Rheingold). Rich yellow with blotches on the three lower petals.

Price, each of above, pkt., 25c; 3 pkts. for 65c.

For Cultural Instructions See page 87.

MAPLE LEAF GIANT MIXTURE

3792 A distinct variety we introduced five years ago. It is quite different from other types. The leaves are of giant size and the flowers are up to 4 in., across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. Pkt., (250 seeds) 50c; ½ oz., \$1.50.

See also Novelties.

3880 PANSY Vaughan's International Mixture. A mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Maple Leaf Giants and Mammoth Exhibition. Flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. ½ oz., \$1.10; 3 pkts. for 65c; pkt., (250 seeds) for 25c

GIANT VARIETIES

3750 Adonis. Light blue white margin. Pkt., 10c.

3756 Azure Blue. Sky-blue. Pkt., 10c.

3859 Beaconsfield. Upper petals almost white, lower ones a deep rich purple. Pkt., 10c.

3771 Coal Black. A jet black. 10c.

3779 Emperor William. Dark navy blue. Pkt., 10c.

3785 Mad. Perret. Lovely shades of pink. Pkt., 10c.

3822 Prince Henry. Darkest blue. Pkt., 10c.

3819 Purple. Rich deep purple. Pkt., 10c.

3829 Rembrandt. Compact habit, long stemmed, five blotched, vivid bronze-orange. Pkt., 25c.

3832 St. Knud. Orange. Pkt., 10c.

3875 PANSY Vaughan's Giant Mixture.

Besides a good share of the "Fancy" strains such as Masterpiece, Bugnot, Cassier, etc., this mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the "Giant" type and of good shape and texture. ½ oz., \$1.00; 1 pkt., (250 seeds) 25c; 1 pkt., (125 seeds)..... 15c

SPECIAL MIXTURES

3760 Boulogne Giant Mixture. The flowers are large, of great substance, fine form and are borne on particularly strong stems. They are mostly 3- and 5-blotched, delicately veined, rich color. 250 seeds, 50c.

3870 Chicago Parks Bedding Mixed. Great diversity of colors, free-flowering, blossoms slightly smaller than the Giant sorts. ¼ oz., 35c; pkt., 10c.

3861 Early Flowering Giant

Mixed. Ice Pansy. Flowers three weeks earlier than others, affording an excellent companion for the early bulbs. Includes a good color range of twelve distinct tones. ½ oz., 35c; pkt., 10c.

3840 Trimardeau Mixture. It has a complete color range, but lacks the new varieties which can only be had in our Vaughan's Giant and International Mixtures. Pkt., 10c; ½ oz. 30c.

3881 Engelmann's Giant. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones, appear early. Pkt., 25c.

OXALIS □

Culture: D or E (Feb.-April)

3444 Cloth of Gold. 1 ft. A charming species. Deep golden-yellow flowers produced with such freedom in the latter part of the season as to completely hide the bright green foliage. Pkt., 10c.



3892 PANSY, Swiss Alpenglow. Pkt., 25c.



4048 Queen of the Market. Pkt., 35c.

4078 Setting Sun. Pkt., 35c.

4037 Balcony Black Prince. Pkt., 25c.

Newest Large Flowering Petunias

Culture: D or E (Feb.-April)

Large Single Fringed Flowering

- 4045 Brilliant Rose Fringed.** Pkt., 25c.
4061 Coerulea. Fringed delicate blue, veined with dark blue. Pkt., 50c.
4047 Purple Beauty. A large flower beautifully frilled of a rich and royal purple. This is the best blue fringed Petunia. Pkt. 50c.
4048 Queen of the Market. The color is a deep carmine red with a scarlet overtone. The blooms are 3½ in., fine shape and slightly waved. A glowingly beautiful variety. Pkt. 35c.
4077 Salmon Beauty. True salmon pink, one of the outstanding varieties in our trials. Pkt., 25c.
4078 Setting Sun. Forms compact bushes 12 inches high, covered with beautifully fringed blossoms of a brilliant rose pink, measuring 3 inches across. Pkt., 35c.
4062 Theodosia. Fringed rosy pink with a clearly defined golden center with minute stripes. Highly recommended at Wisley, England, trials of Royal Horticultural Society. Pkt., 35c.

4060 PETUNIAS Large Flowering Fringed Mixed. A superb strain of elegant, finely fringed flowers, in remarkable variety of color. Pkt., (350 seeds)..... **25c**

Balcony Type Petunias

Single large flowering sorts, trailing habit.

- 4037 Balcony Black Prince.** Dark crimson, rich and velvety, remarkably even. Finest of its color.
4040 Balcony Blue. Rich, velvety violet.
4030 Balcony Queen. Rich, velvety violet with white star.
4034 Balcony Red.
4041 Balcony Rose.
4035 Balcony White. Award of Merit at the Wisley trials of Royal Horticultural Society.
4038 Coppery Rose. A beautiful warm color.
4036 Corn Flower Blue (Blue Wonder). Several shades lighter than the regular Balcony Blue.
4039 Netted Blue Gem. The color is a steel blue beautifully netted or veined with a deep violet.
Price, each of the above: pkt., 25c; any three for 65c.
4042 Balcony Mixed. Pkt., 25c.

4100 PETUNIA Vaughan's Best Mixture Large Flowering Single Petunias. This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. Pkt., (300 seeds)..... **25c**

GREATLY improved by the plant breeders, petunias are constantly advancing in importance in our gardens and decorations. Their great merit is constant and prolific flower production from early summer until frost cuts them down. They have been vastly improved in coloring, giving us some of the finest pink and blue tones obtainable; while the large flowering single and double varieties produce flowers of a size and exquisite beauty seldom equaled. For solid beds, ribbon planting, groups in borders, in flagged walks and terraces, or for porch and window boxes they serve well. They like the full sun.

Large Single Flowering

The flowers of this type average 3 to 4 inches across.

- 4051 Dwarf Pink Glory.** Pure flame-rose pink. One of best bright pinks. Pkt., 35c.
4058 Elk's Pride. Velvety black-purple of remarkably rich and even tone, best of all dark blues. Pkt., 25c.

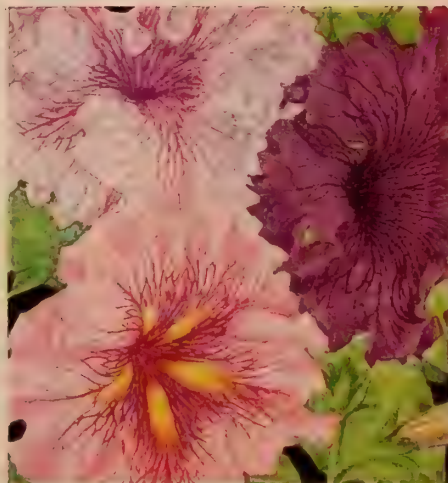
4056 Pride of Portland. Deep rose fringed. 25c.

4052 Silver Edge Purple Robe. A superb deep velvety violet—enhanced by a fine silver line usually appearing at the edge of the flower. Highly recommended at Wisley, England, trials of Royal Horticultural Society. Pkt., 50c.

4059 White Beauty. Fringed, pure white. Pkt. 25c.

4067 White Cloud. Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.

For Cultural Instructions, See page 87.



4100 Vaughan's Best Large Flowering Single Mixed. Pkt., 25c.

Giant Single Flowering

The flowers of this strain average 5 to 7 inches across.

- 4063 Camilla.** A beautiful, ruffled rose-pink, with rich crimson veining and deep purple-crimson throat. Pkt., 50c.
4071 Copper Rose. Enormous flowers with a dark throat, deeply veined. Pkt., 25c.
4070 Empress. Lilac blue with purple veins. 25c.
4081 King Alphonso. Very dark crimson, black throated, boldly waved and fringed petals. 25c.
4064 Lavender Blue. A most delightful and distinct color hitherto missing in this type. Pkt., 50c.
4090 Prince of Wurttemberg. Darkest. Pkt., 25c.
4085 Rose. Ruffled veined, black. Pkt., 25c.
4075 White. Yellow throat. Pkt., 25c.

4066 Dwarf California Giants Mixed. The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the superbissima type. Pkt., 250 seeds, 50c; 500 seeds, 90c.

4065 PETUNIA Giants of California Mixed. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt., (350 seeds)..... **25c**

4069 Ruffled Giants. The charm of these is difficult to describe. There are so many bewitching shades of color in the gigantic flowers. Pkt., 50c.

Large Double Flowering

3935 Vaughan's Mixture of Double Petunias.

This is a mixture of the best large flowering and fringed double petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 60 to 80 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Pkt., (200 seeds) 50c.

3946 Double Red.

3940 Lady of the Lake. Double white, fringed.

3952 Double Mixed.

Price, each of the above, pkt., (125 seeds) 25c.

3953 Double Rosy Morn. Medium-sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a Gardenia in shape. Pkt., (250 seeds) 50c.

3955 Double Small Flowered Mixed. The flowers of this strain are smaller than those of the above types, but they are produced in greater profusion. Pkt., (300 seeds) 25c.

See Novelties for the "Alldouble" Petunias.



4017 **PETUNIA** Celestial Rose
Pkt., 25c.



4001 **PETUNIA** Heavenly Blue
Re-selected. Pkt., 25c.



4005 **PETUNIA** Improved Rosy
Morn. Pkt., 15c.



3975 **PETUNIA** Howard Star
Improved. Pkt., 10c.

Improved Small Flowering Petunias

Culture: A or B (Mar.-June), D or E (Mar.-April)

Single Dwarf Small Flowering Petunias

- 3963 **Adonis.** Carmine rose. Pkt., 10c.
 3997 **Alderman.** Beautiful dark violet. Pkt., 15c.
 3998 **Blue Bird.** Deep velvety violet-blue. Pkt., 15c.
 4017 **Celestial Rose.** Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt., 25c.
 3999 **Cockatoo.** Velvety deep violet-purple with irregular sized white spots and stars. Pkt., 25c.
 4002 **Crimson.** Pkt., 10c.
 4015 **Dwarf Inimitable.** Regular white stars on deep old rose ground. Pkt., 10c.
 4001 **Heavenly Blue Re-Selected.** A silvery light blue. Varies about 10% in shade. Pkt., 25c.
 4005 **Improved Rosy Morn.** Clear pink with a broad white throat. $\frac{1}{8}$ oz., 50c; pkt., 15c.
 4010 **Norma.** Blue with white star. Pkt., 10c.
 4018 **Rose of Heaven.** Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. Pkt., 10c; $\frac{1}{8}$ oz., 35c.
 4019 **Senator.** Purple with white throat. Pkt., 15c.
 4020 **Snowball.** Pure satiny white. Pkt., 10c.

Single Small Flowering Petunias

- 3958 **Alba.** Pure white.
 3967 **Carmen Sylva.** Baby blue with white throat
 4006 **Flaming Velvet.** All America Gold Medal in 1936. A rich velvety crimson, best of its color in this class. Pkt., 25c.
 3970 **General Dodds.** Blood-red.
 3981 **Golden Rose.** Brilliant rose, yellow throat
 3975 **Howard's Star Improved.** Crimson-maroon with a clearly defined star of blushing white.
 3985 **Sutton's Blue Bedder.** Rich blue. Pkt., 25c.
 3990 **Violacea (Violet Blue).** 18 in. Same shade as Blue Bird but taller.
 Price, each of the above, except noted otherwise, pkt., 10c.
 3995 **Finest Mixed.** $\frac{1}{8}$ oz., 25c; pkt., 10c.

- 4515 **PYRETHRUM Aureum Golden Feather.**
☐ 6 in. Edging plant grown for its beautiful yellow foliage. Pkt., 10c.

RICINUS (Castor Bean) ☐

Culture: A or B (May 15th), D or E (February-March)
 Giant, strong growing plants, with ornamental foliage. Moles are kept away by planting Castor Beans in the borders. Ricinus attract Japanese beetles. After devouring the leaves the insect dies.

- 4547 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.
 4546 **Crimson Spire.** The bushy plants grow 6 to 8 ft. high with large palmate leaves of a lustrous purple gradually changing to bronzy green, with red stems, stalks and seed spikes. Pkt., 10c.



4025 **PETUNIA** Vaughan's Dwarf Small
Flowering Mixed. Pkt., 10c

4025 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the varieties listed and many others and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. $\frac{1}{8}$ oz., 40c; pkt., 10c.



4067 **White Cloud.** Best Large Flowered White.
Pkt., 35c. See Page 60.



4018 **PETUNIA** Rose of Heaven. Pkt., 10c.

RICINUS—Continued

- 4545 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black 1 oz., 20c; pkt., 10c.
 4555 **Sanguineus.** 6 ft. Green leaved, red stems 1 oz., 20c; pkt., 10c.
 4570 **Mixed.** Many sorts. 1 oz., 15c; pkt., 10c.
 4565 **Zanzibar Enormis.** 1 oz., 25c; pkt., 10c.
 4560 **Zanzibar Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are $2\frac{1}{2}$ to 4 ft. across. Each plant a perfect pyramid. Oz., 20c; pkt., 10c.



4560 **RICINUS** Giant Zanzibar Mixed. Pkt., 10c.

Vivid New Annual Phlox

Culture: A or B, D or E (February-March)—For Cultural Instructions See page 87.

ONE of the easiest of annuals to grow, the annual phlox of modern strains cannot be surpassed in their clear, vivid coloring, and variety of tones. All colors of the rainbow can be reproduced in their globular flower heads, borne on strong stems, which in a properly planted bed will form a sheet of color. Seed may be sown in the open as soon as frost danger has passed, and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frost. 12 inch. **HARDY PHLOX**—See Perennial pages.



4220 PHLOX Vaughan's Special Mixture. Pkt., 15c.

4220 PHLOX VAUGHAN'S SPECIAL ANNUAL MIXTURE.

Contains all the grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., \$1.60; $\frac{1}{4}$ oz., 50c; $\frac{1}{8}$ oz., 30c; pkt., 15c

5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE.

A charming selection of quick growing annuals which will make a bright spot and interesting display. This is a formula mixture carefully prepared to include both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.



4430 PORTULACA Single Mixed. Pkt., 10c.

Grandiflora Varieties ☐

This section has beautiful, round-petaled flowers, which overlap each other.

- 4110 Black-Brown.
- 4113 Brilliant. Rose with dark eye.
- 4120 Chamois Rose.
- 4156 Crimson with White Eye.
- 4137 Dark Blue. True blue.
- 4125 Fiery Scarlet.
- 4115 Flesh Color.
- 4146 Leopoldi. Rose with white eye.
- 4155 Pink.
- 4105 Pure White.
- 4160 Violet with White Eye.
- 4107 White with Dark Eye.
- 4140 Yellow.

Price, any of the above, pkt., 10c; any 3 pkts., 25c.

4175 Cuspidata or Star Mixed.

Quaint and unusual flower formation $\frac{1}{4}$ oz., 40c; pkt., 10c.

- 4165 Splendid Mixture. $\frac{1}{4}$ oz., 35c; pkt., 10c.

Nana Compacta Dwarf

These are much superior to the other Phlox for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall. 8 in.

- 4182 Apricot. Yellow.
- 4184 Dark Purple.
- 4187 Delicata. Soft salmon pink
- 4183 Fireball. Blood-red.
- 4192 Isabellina. Yellow.
- 4201 Mirabilis. Salmon-rose with white eye. Strikingly beautiful.
- 4200 Salmon Pink.
- 4195 Sky-Blue with White Eye.
- 4189 Snowball. Pure white.
- 4203 Violet.
- 4204 Violet, White Eye.

Price, each of the above, pkt., 15c; any 2 pkts., for 25c.

4210 Cecily. Mixed, all colors.

Flowers immense, coloring bright and nearly all blossoms display a white eye. 8 in. $\frac{1}{4}$ oz., 50c; pkt., 15c.

- 4205 Nana Compacta. Mixed, all colors. $\frac{1}{8}$ oz. (mixed only), 40c; pkt., 10c.

Portulaca

For Hot, Dry Spots. (Rose Moss) ☐

Culture: A (March-July), D (February-March)
Portulacas not only bear the poorest soil without complaint, but during a dry season when everything else is looking sorry for itself these brave little fellows gaily nod their thousand bright metallic looking flowers and seem to enjoy the drought. Easily transplanted. In sowing, mix the seed with many times its bulk in dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear. Sow between stepping stones.

Large Flowering Single

- 4400 White. 4410 Pink.
 - 4405 Yellow. 4420 Scarlet.
- Price, each of the above, $\frac{1}{4}$ oz., 30c; pkt., 10c; any 3 pkts., 25c.

4425 Giant Parana. The flowers are fully twice as large as those of other Portulacas and of the most dazzling reddish-purple. Pkt., 10c.

- 4430 Single Mixed. Lb., \$6.00; $\frac{1}{4}$ lb., \$1.70; 1 oz., 60c; $\frac{1}{8}$ oz., 20c; pkt., 10c.

Large Flowering Double

- 4435 White. 4441 Salmon.
- 4438 Yellow. 4443 Scarlet.
- 4440 Pink.

Price, each of the above, pkt., 10c; any 3 pkts., 25c.

- 4455 Double Best Mixture. 1 oz., \$2.50; $\frac{1}{4}$ oz., 75c; $\frac{1}{8}$ oz., 50c; pkt., 10c.



4692 SAPONARIA Vaccaria Mixed. Pkt., 10c.

Saponaria (Soapwort)

Culture: A or B (March-July), D or E (March-April)

4694 Multiflora Scarlet Queen. 6 in. Dwarf, bearing an immense number of rosy-scarlet flowers.

4695 Pink Carpet. 6 in. A lovely plant for edging, with pink starry flowers produced in great abundance. Grows readily from seed. Blooms until frost

4693 Vaccaria Alba. White.

4691 Vaccaria Rose. 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.

4692 Vaccaria Mixed.

Price, each of the above, pkt., 10c.

PENNISETUM (Fountain Grass) ☐ 2 1/2 ft.

Culture: D or E (February-March), A or B (May 15th)
Tender ornamental grasses, valuable in summer border or for massing. As border plants for beds of Cannas or Caladiums nothing equals them.

3920 Longistylum. Extremely graceful greenish white plumes. Pkt., 10c.

3925 Rueppelianum (Purple Fountain Grass). Graceful green foliage and purplish plumes. Pkt., 10c

4232 POLYGONUM Orientale. (Kiss-me-over-the-garden-gate). ☐ Pink. 7 ft. Pkt., 10c

SANVITALIA Creeping Miniature Zinnia

Culture: A or B (March-June), D or E (March-April)

4690 Procumbens Fl. Pl. ☐ 6 in. Sanvitalia flowers are much like tiny Zinnias, golden yellow with very dark purple centers, some single and others double. The plants are prostrate and creep over the soil instead of growing upward. They start blooming in June and continue until frost. Pkt., 10c; $\frac{1}{8}$ oz., 25c



4455 PORTULACA Double Best Mixed. 10c.



4285 POPPY Shirley. Pkt., 10c.



4277 POPPY American Legion. Pkt., 10c.

Giant Modern Poppies

Culture: A (March-June)—For Cultural Instructions See page 87.

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them and thin out to 8 inches apart.

Single Annual Poppies

8300 Annual Oriental. A new strain which blooms the first year, if sown early. Pkt., 10c.

4245 Flanders Poppy. 30 in. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with Centaurea Cyanus Double Blue. $\frac{1}{2}$ oz., 25c; 1 oz., 40c; pkt., 10c.

4255 King Edward. 36 in. Flowers deep scarlet shaded crimson, with a large black blotch at the base of each petal. Pkt., 10c.

4270 Tulip (Glaucum). 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. $\frac{1}{2}$ oz., 30c; oz., 50c; pkt., 10c.

4305 Vaughan's Special Mixture Single Poppies. This mixture includes all the choice single listed Poppies and many other kinds not listed. It is really extra choice. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

Shirley Poppies (Silk or Ghost)

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

4277 American Legion. A dazzling orange-scarlet of enormous size, $\frac{1}{4}$ oz., 25c; pkt., 10c.

4278 Blue Shirley. 20 in. Various blue shades Pkt., 10c.

4279 Double Begonia Flowered Cavalcade. Has the same rich orange-scarlet color of the Single Shirley American Legion, brilliant and most attractive. The large flowers, rich and beautiful. Pkt., 10c.

4240 Double Begonia Flowered Dazzler. The large flowers are double, rich and beautiful. Color a dazzling orange scarlet. Pkt., 15c.

4238 Double Begonia Flowered Sweet Briar. Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.

4239 Double Begonia Flowered Mixed. The flowers resemble the double tuberous rooted begonias in form and contain an assortment of lovely light shades. Pkt., 10c.

4368 Double Shirley Ryburgh Hybrids. Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

4295 Eldorado Salmon Shades. 2 ft. Pkt., 10c.

4280 Wild Rose Shirley. 20 in. Shades of rose and pink. $\frac{1}{4}$ oz., 25c; pkt., 10c.

4370 Vaughan's Special Mixture of Shirley Poppies. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

SHIRLEY POPPIES—Continued

4285 Shirley Mixed. 20 in. Delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. $\frac{1}{2}$ oz., 25c; oz., 40c; pkt., 10c.

Double Annual Poppies

4315 American Flag. Flowers very large, snow-white, scarlet bordered. Pkt., 10c.

GIANT PEONY-FLOWERED (Plain Petals)

4325 Pure White. **4338 Cardinal Red.**

4330 Pale Yellow. **4345 Salmon.**

4335 Pink.

Price, each of the above, pkt., 10c; any 3 for 25c.

4380 Peony-Flowered Mixture. Double ball-shaped flowers with plain edges of gigantic size. $\frac{1}{2}$ oz., 20c; pkt., 10c.

4357 Barr's Tall Salmon Irresistible. 2 $\frac{1}{2}$ feet. Large double fringed flowers measuring 5 inches across, ranging from brilliant rose to salmon rose with large white center, very beautiful. Pkt., 15c.

4355 Mikado. 28 in. Flowers white at base, shading off to pink and rose, with elegantly curled petals, like Japanese Chrysanthemum. Pkt., 10c.

4365 White Swan. Fringed double-white. Pkt., 10c.

4375 Carnation-Flowered Mixture. Large flowers with fringed petals many striped. $\frac{1}{2}$ oz., 20c; pkt., 10c.

4390 Vaughan's Special Mixture Double Poppies. This includes all the double sorts, and will produce charming flowers in an endless variety of colors. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

Cardinal Strain — Double Annual

We recommend Cardinal Strain for all those who love the Carnation Flowered type. The flowers are very large, daintily fringed, fully round and double, on plants which are at least a foot shorter than the usual strain of double Poppy.

4250 —Blush Pink. **4246 —Chamois.**

4249 —Salmon Rose. **4247 —Scarlet.**

4248 —White. Invaluable for beds and masses, double flowers of snowy whiteness.

Price, each of above, pkt., 15c; any 3 for 35c; $\frac{1}{4}$ oz., 50c.

4310 Vaughan's Special Mixture Double and Single Poppies. Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

New Salvias □

Culture: D or E (Feb.-March), A or B (May 15th)
The brilliant scarlet Salvia Splendens, so highly valued as a source of this vivid color in summer beds, borders, window boxes and flower pots, is by no means the only worthy member of this family. The tall pale lavender Salvia Farinacea Blue Bedder is increasingly popular in summer borders, and Blue Beard is an excellent border foreground subject.

Splendens Type

4645 Alba. Pure white with a suggestion of pale pink at the tip of the unopened flower. Pkt., 35c.

4640 America, or Globe of Fire. 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4655 Clara Bedman or Bonfire. 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Pkt., 15c.

4650 Fireball. 1 $\frac{1}{2}$ ft. The bushy plant is covered with flower spikes of fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.

4662 Harbinger. The plants are dwarf and compact and dark foliage is very effective against the vivid scarlet of the flowers; seeded in February, will flower June until frost. Pkt., 25c; $\frac{1}{8}$ oz., 60c.

4665 Indian Purple. Some object to the scarlet color of the Splendens varieties. This is a true purple-violet. Pkt., 15c.

4668 Salmonea. Long spikes of salmon-rose. A new color. Pkt., 25c.

4675 Mixed. All red varieties. Pkt., 10c.



4640 SALVIA SPLENDENS America. Pkt., 25c.

Other Salvias

Culture: A or B (March-May), D or E (March-April)

4679 Blue Beard. Grows 1 ft. high. Its blue-purple heads produce a fine effect in beds and borders and are prized for cutting. Pkt., 10c.

4680 Coccinea. 2 ft. Bright scarlet sage, tubular flowers, half hardy. Pkt., 10c.

4683 Farinacea. 3 ft. Tall spikes of lovely deep blue. A fine background for contrasting colors; can be dried as an everlasting. Considered by many experts as one of the ten best annuals. Pkt., 10c.

4681 Oxford Blue. 12 to 18 in. A pure Oxford blue found nowhere else. Height depends on fertility of soil. Requires a sunny exposure. Pkt., 10c. See also Novelty and Perennial Pages.

RUDBECKIA

Culture: A or B, D or E. (February-March)

4580 Bicolor Superba (Coneflower). □ 2 ft. Abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt., 10c.

4583 Kelvedon Star. 3 ft. A long stemmed flower perfect for cutting, having dark brown central discs, surrounded by a shining mahogany zone on petals of deep orange. Sowing should be made in February and seedlings planted out during the second week of April. A rampant grower, and flowers till frost. Pkt., 15c.

4582 My Joy. Giant Black-eyed Susans. Flowers very large, some over five inches in diameter of an orange-yellow with rather small cone. Pkt., 25c.

Gold-Veined Salpiglossis

Culture: A or B (March-April)

ONE of the easiest of annuals to grow, the salpiglossis is in appearance an aristocrat, which is prized in the gardens of the wealthy. It is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every petal. The rule for growing salpiglossis is, give it room and do not coddle. Sow in the full sun in fairly rich soil as early as possible, and preferably in the place where it is to grow, to avoid transplanting. Do not overwater, but keep "on the dry side." Its blossoms, similar in shape to a petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.

- 4530 RHODANTHE Manglesi Rose (Everlasting). Bright rose. Pkt., 10c.
4540 —White and Pink Mixed. Pkt., 10c.

SCHIZANTHUS

Culture: A or B (March-June), D or E (March-April)
This is one of the daintiest of annuals. The seed germinates readily and in a few weeks the plant is a mass of small but bright flowers in a bewildering range of colors, all blotched and marked in contrasting shades. The foliage is delicate and fern-like. It may be sown in spring for garden decoration or may be seeded in fall in pots in the conservatory or house.

- 4759 Retusus Rosamunde. 2 ft. A distinct type of large orchid-like flowers of upright and stiff growth, which makes good cut flower material. Delicate rose-spotted flowers. Pkt., 10c.
4761 Retusus Rose and Gold. Distinct and pleasing. Pkt., 10c.
4758 Retusus White and Gold. White flowers with gold blotch, larger than type. Pkt., 10c.
4757 Vaughan's Excelsior Hybrids. A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Finest yet offered. Pkt., 25c.
4760 Wisetonensis Mixed. 1½ ft. Profusion of flowers varying from almost white with yellow eye to brilliant rose with bronzy center. Pkt., 10c.



4757 SCHIZANTHUS Vaughan's Excelsior Hybrids. Pkt., 25c.

SALPIGLOSSIS

- 4590 Bright Crimson. 4611 Blue and Gold.
4591 Brown and Gold. 4613 Scarlet and Gold.
4595 Faust. Black. 4614 Velvety Red.
4600 Rose and Gold. 4616 White and Gold.
4605 Velvety Violet. 4617 Violet and Gold.
4610 Golden Yellow.

Price, each of the above, per pkt., 10c; any 3 pkts., 25c.

4625 Emperor Mixed. Large improved strain. Complete range of colors. Pkt., 10c; ½ oz., 25c.

4615 Gloxiniaflora Mixed. A special selection of the Painted Tulé Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 Vaughan's Special Mixture. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ½ oz., 25c; pkt., 15c.

SCARLET RUNNER Emperor

Culture: A (May 15th), D or E (March-April)

4766 Bears edible beans, popular in the north. Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. The dry beans are bright scarlet, blotched purple. Pkt., 10c.

4774 SENECIO Elegans, Double Mixed. Pkt., 10c.

4775 SILENE Armeria Mixed. (Catchfly). 10c.

SAINTPAULIA—See page 87.

SENSITIVE PLANT—See Mimosa Pudica.

SNAPDRAGON—See Antirrhinum.

SNOW-ON-THE-MOUNTAIN—See Euphorbia Variegata.

SUNFLOWER Helianthus

Large Flowered Tall

Culture: A or B (March-June), D or E (March-April)

2700 Annuus Purpureus, Gaillardia-flowered or Red Sunflower, 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow and others slightly washed with red. Pkt., 10c.

2707 Californicus. 5 ft. Double dark yellow. Pkt., 10c.

2709 Chrysanthemum Flowered Double. 6 ft. Golden yellow flowers. Pkt., 10c.

2717 Globosus Fistulosus Fl. Pl. 6 ft. Double globe or dahlia, saffron flowers. Pkt., 10c.

2704 Intermediate Sanguineus Excelsior. A hybrid of annuus purpureus and cucumerifolius; from the latter it secured its elegant growth, while the former furnished its fine red flowers. Pkt., 10c.

2722 Nanus Flore Pleno. 2½ ft. Double dwarf, beautiful for massing in beds. Pkt., 10c.

2725 Russian Mammoth. Single, of gigantic dimensions. Sow a few seeds in the corner of the garden and it will provide in late Summer a feeding table for a large number of birds. 1 oz., 5c.

2715 Double Mixed. Pkt., 10c.

Miniature-Flowered

2727 Cucumerifolius. 5 ft. Charming small flowers, rich golden yellow with black center. 10c.

2740 —Purpureus. Red and yellow tones. Pkt., 10c.

2755 —Vaughan's Special Mixture. Includes all the cucumerifolius sorts. ¼ oz., 20c; pkt., 10c.

2760 Vaughan's Special Mixture. Of all the single and double Sunflowers. ½ oz., 25c; pkt., 10c.

THUNBERGIA (Golden Glory Vine)

Culture: D or E (March-April), A or B (May 15th) in Cold Frame or Greenhouse. Germination 3-4 Weeks

5640 Alata, Mixed (Black-Eyed Susan). □ = 5 ft.

A lovely plant with large showy flowers. Forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes. ½ oz., 30c; pkt., 10c.

5639 Gibsoni. A lovely new graceful climber for covering pillar and trellis work. It has glistening green ivy-shaped foliage and flowers of brilliant glowing orange. Pkt. (15 seeds) 35c.

For Cultural Instructions See page 87.



4740 SCABIOSA Vaughan's Special Mixture. Pkt., 10c.

Sweet Scabiosa

(Mourning Bride)

Culture: A or B (March-June), D or E (Feb.-March)
The flower stems are long and the blossoms keep well in water. Soft tones predominate. When given plenty of room and faded flowers are kept picked off, it will last through the whole summer. Owing to its sweetness the bees are very fond of it and its flavors also attract all the most beautiful types of butterflies to the neighborhood. Sometimes called the Pincushion plant. 30 inches.

Large Flowering Double

4731 Amethyst or Ageratum Blue.

4715 Azure Fairy.

4700 Golden Yellow.

4705 Flesh.

4710 Fiery Scarlet.

4728 Shasta. Pure white of enormous size.

4729 Peachblossom. A beautiful shade of peach-blossom pink.

4727 Loveliness. Scabiosa Loveliness is unsurpassed as a cut flower. It has long, stiff stems and a delightful fragrance, but its crowning beauty is its glorious salmon-rose color.

Price, each of the above, pkt., 10c; any 3 pkts. for 25c.

4742 Coral Rose. A very neat and compact plant growing only 8 inches tall. Flowers a delightful shade of deep rose-pink, tinged salmon. Pkt., 25c.

4743 Dwarf Double Mixed. 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. Pkt., 10c; ½ oz., 25c.

See also Perennial Pages.

4740 SCABIOSA Vaughan's Special Mixture.

Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 25c; pkt. 10c



5640 THUNBERGIA Alata Mixed. Pkt., 10c.



5346 Apollo. Pkt., 10c.

5495 Mrs. Herbert Hoover.
Pkt., 10c.5416 Giant Rose.
Pkt., 10c.

5557 Vogue. Pkt., 10c.

5555 Valencia. Pkt., 10c.

10 Best Early Sweet Peas for 75c

No. 5600—1 PACKET EACH OF THE FOLLOWING VARIETIES CATALOG VALUE \$1.00

Apollo, Amethyst, Colossal Rose, Hope, Josie, Lavanda, Mrs. Herbert Hoover, Red Wing, Sequoia, Valencia

Culture: A, D or E (March-May)—For Cultural Instructions See page 87.

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period. Excellent for greenhouse planting and also for outdoor sowing. This class is recommended for all sections where spring is late and of short duration, as they give flowers before the summer heat arrives. Duplexed varieties often have 3 to 4 standards and the same number of wings, giving the appearance of a semi-double flower.

Early Flowering Spencer

Price, any of following pkt., 10c; any three 10-cent pkts., 25c. Oz., 50c.

5343 **American Beauty.** Crimson-rose on white.

5345 **Amethyst.** Royal purple.

5344 **Annie Laurie.** Richest pure rose-pink.

5346 **Apollo.** Soft salmon rose, long stem.

5375 **Blue Bird.** Violet-blue.

5350 **Blue Boy.** Clear blue.

5351 **Bright Light.** Flaming scarlet.

5399 **Eileen.** Begonia rose with salmon shading.

5403 **Eleanor Blue.** Blue with silver sheen.

5398 **Eldorado.** Orange.

5404 **Exposition Pink.** Large waved pink.

5411 **Fandango (Duplex).** Bright rose, large, magnificently frilled, long stemmed.

5407 **Fascination.** Salmon, rose-pink.

5457 **Fragrance.** Large frilled lavender, fragrant.

5416 **Giant Rose.** Imp. Zvolanek's rose.

5420 **Glitters.** Cerise.

5430 **Grenadier.** A glowing poppy-scarlet.

5438 **Harmony.** Clear lavender.

5470 **Laddie.** Rose pink on white ground.

5472 **Lavanda.** Lavender.

5486 **Majestic Rose.** Immense deep, brilliant rose-pink flowers on long stems.

5488 **Mrs. Coolidge.** Salmon pink.

5495 **Mrs. Hoover.** "The California Blue."

5496 **Monterey.** A clear glowing geranium pink flushed salmon deeper towards the base.

5516 **Prosperity.** Orange salmon.

5540 **Snowstorm Improved.** Large, pure white.

5524 **Sparkle.** Bright, scarlet, sun-proof.

5526 **Spring Song.** Salmon-pink.

5527 **Success.** Deeper than other rose-pinks and a very strong grower. Four flowers on a stem.

5555 **Valencia.** Bright orange, sun-proof.

5557 **Vogue.** Standard lilac lavender, flushed rosy lavender and wings clear lilac lavender.

5565 **White Harmony.** Black seeded.

5595 Vaughan's Special Mixture.

Early Flowering Spencers. All the varieties listed and many others. Pkt., 15c. Oz., 50c; 2 oz., 90c; 4 oz., \$1.50; 1 lb., \$5.00.

Late Flowering Spencer

5348 **Beatall.** Pale blush cerise with a suffusion of salmon and rose. A very rich, charming Sweet Pea.

5003 **Charity.** Best red.

5020 **Constance Hinton.** White, black seeded.

5064 **Fluffy Ruffles.** A new type, duplexed and frilled, with long stems. A lovely rich rose-pink.

5063 **Fortune.** Rich dark blue.

5066 **George Shawyer.** Giant salmon-rose.

5117 **Heavenly Blue.** Delphinium-blue.

5199 **Pinkie.** Large rose pink.

5070 **Pirate Gold.** Golden orange.

5195 **Powerscourt.** One of the finest lavenders.

5147 **Queen of the Belgians.** Deep orange-scarlet.

5310 **Warrior.** Rich chocolate-maroon.

5311 **Youth.** Large white, pink picotee edge.

Price, Late Flowering, any of above pkt., 10c; oz., 25c; any three 10-cent pkts. for 25c.

10 BEST LATE FLOWERING

Spencer Sweet Peas Collection No. 5325

Price, One Packet of Each for 50c.

Beatall

Charity

Constance Hinton

Fortune

George Shawyer

Heavenly Blue

Powerscourt

Queen of the Belgians

Warrior

Youth

Inoculate sweet peas with Nitragin
Two garden sizes, 10c and 25c.

Vaughan's Special Mixture

5590 **Late Spencer Varieties.** This mixture is one we make ourselves from named sorts of late flowering ruffled or Spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time. Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00.

For PERENNIAL SWEET PEAS—See Lathyrus Latifolius in Perennial pages.

Color Plate Collection

5596 One pkt. each Sweet Peas—Apollo, Mrs. Herbert Hoover, Giant Rose, Vogue, Valencia for 40c.



4795 RUSSIAN STATICE. Pkt., 10c.

STATICE □

Culture: D or E (February-March)

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlastings, and have come to be indispensable in making winter bouquets.

4800 **Bonduelli.** 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.

4793 **Puberula.** 4-6 in. Flowers 5 months after sowing and bears magnificent dark violet blooms. It can be used for pots, boxes, beds also rock gardens. Turfy loam mixed with peat, and plenty of sand is the most suitable soil. Pkt., 25c.

4795 **Russian (Suworowii or Rat Tail).** 30 in. Flowers bright rose color. Pkt., 10c.

4801 **Sinuata Rosea Superba.** 3 ft. Pkt., 10c

4806 **—New Hybrids.** One of our growers has selected Art Shades, which we offer in a mixture for the garden and winter bouquets. Pkt., 15c.

4803 **—True Blue (Kampf's Improved).** A dwarf form desirable for winter bouquets. Pkt., 15c.

4804 **—White.** 3 ft. Pkt., 10c.

4805 **—Mixed.** 3 ft. Pkt., 10c.

New Colors in Stocks or Gilliflower

Culture: A or B (March-April), D or E (Feb.-March)

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range rise above the attractive dull or glossy foliage to a height varying in the different classes. Stocks require a rich soil of a sandy well manured loam, mixed with compost, well rotted sod and plenty of well decayed manure. Only about 60 per cent of the flowers will come double, the rest are single. Sow seed early in the house and transplant outside when all danger of frost is over. Hot weather is responsible for the blind growth that so frequently disappoints out-door growers of this crop. Stocks are a cool temperature crop and that should explain why they sometimes disappoint us during the summer months.



4949 STOCKS Bismarck or Giant Imperial Mixed. Pkt., 15c.



5815 VIRGINIA STOCK Mixed. Pkt., 10c.

VIRGINIA STOCK

Culture: D or E (March-May)

5815 Mixed. □ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect, very fragrant. ¼ lb., 75c; oz., 25c; ½ oz., 15c; pkt., 10c.

Dwarf Type

Dwarf bushes not over 8 inches in height, covered with bright flowers during the entire season.

5816 Innocence Pure white.

5817 Crimson Gem Crimson.

5818 Love Bright rose.

Price, each of above: Pkt., 15c; 3 pkts., 35c.

Combination Plantings

For pleasing color effects in the front yard plantings or in the border, we recommend the following:

Celosia Ostrich Plume and Statice

Suworowii.

Calendula Campfire and Statice

Bonduell.

Heliotrope and Mignonette edged with

Centaurea Candidissima.

Petunias Blue Bird and Balcony White

with Pink Ivy-Leaved Geranium.

Dwarf German—Ten Weeks

This class is a favorite for outdoor bedding. 12 in.

4830 White. 4841 Rose Pink.

4835 Canary Yellow. 4845 Crimson.

4856 Dark Blue. 4850 Light Blue.

Price, each of the above, pkt., 10c.

4865 Best Mixed. ¾ oz., 50c; pkt., 10c.

Bismarck or Giant Imperial

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use. 2½ ft.

4925 Shasta, White. 4945 Blood-red.

4929 Old Rose. 4930 Lilac.

4947 Flesh. 4932 Lavender.

4948 Golden Rose. 4931 Dark Blue.

4946 Chamois. 4944 Elk's Pride.

Price, each of the above, pkt., 15c.

4949 Bismarck Mixed. ¾ oz., 50c; pkt., 15c.

4972 White Wonder. A tall variety of Bismarck type in habit and season. The heads are very large and the individual flowers are closely set and of extraordinary size. Pkt., 35c.

Column—Non Branching

An excellent new class producing one stem of 2½ ft. long with a long spike of bloom, thickly set with large, double flowers. The first flowers appear when the plant is about 14 inches high.

4951 Chamois Pink. 4955 Rose.

4952 Crimson. 4956 Silvery Lilac.

4953 Dark Blue. 4957 White.

4954 Light Blue. 4958 Mixed.

Price, each of the above: Pkt., (150 seeds) 25c.

4970 STOCKS Vaughan's Special Mixture. Contains all the varieties listed and many others not catalogued. ¾ oz., 50c; pkt., 15c

RED WHITE AND BLUE

Planting of Stocks

4959 Column Stocks. One packet each of 4952 Crimson, 4957 White, and 4953, Dark Blue. Sow in rows or blocks for an effective red, white and blue effect. The column bear single, upright, spikes of bloom, and make excellent plants for pattern effects. Three packets as listed, value 75c, for 65c



5656 TRACHELIUM Coeruleum. Pkt., 25c.



5641 TITHONIA Pkt., 25c.

TITHONIA □

Culture: D or E (February-March)

5641 Speciosa, Early Flowering (Golden Flower of the Incas). 8 ft. The flowers resemble a giant single zinnia of a vivid orange-scarlet; borne on huge bushes with woody stems, and large leaves with velvet bloom. From seed started in March plants in full sun will blossom in late August. Desirable as background in roomy borders 25c.



5645 TORENIA Fournieri. Pkt., 15c.

TORENIA □

Culture: D or E (February-April), A or B (May 15th)

In the 1936 drouth in the Middle-West torenias were among the comparatively few subjects which grew with vigor and flowered freely through the hottest, driest period in our trials.

5651 Baillonii. Yellow, [brown markings. Pkt., 15c.

5645 Fournieri. + 10 in. Bushy globular plants literally covered with the lovely, richly-colored snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes partial shade. Excellent for rock gardens, pots and hanging baskets. Pkt., 15c.

5650 White wings. White with rose throat. Pkt., 15c.

TRACHELIUM

Culture: D or E (Jan.-March)

5656 Coeruleum. 1 to 3 ft. Large cloud-like heads of tiny flowers resembling the gypsophila produced in the fall from spring-sown seeds. Heliotrope blue in color, borne on branching stems freely, the flowers can be increased by pinching back the stems; making a fine pot plant. Pkt., 25c.

5655 TRITOMA Hybrida Mirabilis. (Red Hot Poker Plant). Pkt., 15c.



5706 ROSEA STELLATA. Pkt., 15c. 5718 LAVENDER GLORY. Pkt., 15c. 5701A ETNA. Pkt., 15c. 5685 MAYFLOWER. Pkt., 10c

Verbenas for Color-Scheme Bed, 45c.

5728 1 Pkt., Each of 4 Varieties Illustrated Above, (4 Pkts. Value 55c) Prepaid for 45c.

Culture: D or E (Feb.-April) A or B (May 15th)—For Cultural Instructions see page 87.

MODERN verbenas excel in size and vivid coloring, without losing the qualities of vigor and free-flowering which endeared them to our grandmothers. As material for supplying desired color effects in beds or borders, they are in the front rank. The pinks are like those found in Trailing Arbutus; the purple is truly royal; the scarlet is like rich velvet; the white is as pure as snow; the blue and lavender tints are dainty; and besides the clear color varieties there are sorts with white and dark eyes, and others that are striped.

LARGE FLOWERED

5701 **Gigantea Alba.** Pure white. Very fragrant.

5702 **—Coccinea.** Scarlet, small eye.

5701A **—Etna.** Geranium-red, with a cream eye. Award of Merit at the Wisley, England, trials of Royal Horticultural Society.

5718 **—Lavender Glory.** A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5703 **—Lucifer.** Vivid scarlet-self.

5704 **—Luminosa.** Flame-pink shading to salmon.

5705 **—Rose Cardinal.** Carmine-rose, white eye.

5706 **—Rosea Stellata.** Rose-pink, white eye.

5719 **—Royale.** Royal blue with a creamy yellow eye. Highly recommended at the Wisley, England, trials of Royal Horticultural Society.

5717 **—Sutton's Giant Pink.** A fine salmon pink with a faint light eye.

5707 **—Violacea Stellata.** Deep violet, white eye. Price, each of above, pkt., 15c; any 3 pkts., 35c.

5666 **Blue Shades.**

5660 **Defiance.** An intense scarlet.

5669 **Garnet.** A beautiful shining garnet.

5668 **Helen Willmott.** Salmon-rose, white eye.

5670 **Lutea.** Yellow.

5685 **Mayflower.** Various shades of pink.

5700 **Purple Shades.** Dark purple.

Price, each of above sorts, pkt., 10c; any 3 pkts., 25c.

5709 **Spectrum Red.** Bright red without an eye, comparable only to Etna, but without Etna's eye. Florets are one and one-fourth inches in diameter. Award of Merit at Wisley trials of Royal Horticultural Society. Pkt., 25c.

See complete index, pages 114 and 115 to find items quickly.

5729 Red, White and Blue Mixture

A mixture of large flowered verbenas in which varieties which give the effect of red, white and blue are carefully blended in equal proportions. The effect is not only patriotic, but artistic. Pkt..... 25c

5730 **VERBENA** Vaughan's Best Mixture. Includes all the Mammoth and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz., \$3.00; ½ oz., 50c; large pkt., 25c; pkt..... 15c

5715 **Mammoth Mixed.** Producing in handsome umbels flowers of large size of white, rose, scarlet, blue, purple. ½ oz., 25c; pkt., 10c.

5711 **Beauty of Oxford Hybrids.** A beautiful giant strain following closely the color of Beauty of Oxford, softened by salmon-pink from Luminosa which gives a lovely effect. The color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. They are half as large again as Beauty of Oxford and will easily cover a silver half dollar. The foliage is a dark cress green. Pkt., 25c.

See also Novelties.

Various Verbenas

Culture: D, E or C (Jan.-July)

5749 **Canadensis.** 6 to 18 in. A hardy perennial which can be grown as annual, flowering the first year from seed. Of spreading habit, with large tresses of flowers, ranging from light lavender to deep crimson and dark purple, produced through entire summer. Robust garden subject. Pkt., 15c.

5750 **Citriodora (Lemon-Scented Verbena).** An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.

5755 **Erinoides.** 12 in. This lovely variety produces a nest of moss-like foliage spreading over the ground like a carpet, above which are borne heads of purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.

5760 **Erinoides Alba.** 12 in. Same as above but with white flower heads. Pkt., 10c.

5765 **Venosa.** 1 ft. Largely used for bedding purposes; strong, thrifty grower, covered with bright rosy heliotrope flowers. Seeds are slow to germinate. Should be sown in the house before March. Blooms until frost, hardy with protection. Pkt., 10c.

5766 **—Lilacina.** 1 ft. Resembles the excellent venosa, vigorous and profuse in flowering, but with blossoms of a delicate lavender-blue. Hardy with protection. Pkt., 25c.

Dwarf Compact Varieties—6 in.

This group is very neat and compact in habit. They are continuous bloomers, particularly adapted for bedding, borders and small gardens.

5731 **Blue with White Eye.**

5732 **Chamois.** Pale chamois.

5733 **Dark Blue.** Almost a rich purple.

5734 **Garnet.** Very erect.

5735 **Fireball.** Bright scarlet blooms.

5741 **Ruby.**

5739 **Scarlet.**

5738 **Pink.**

5740 **White.** Creamy white.

5745 **Carmine Ball.** A beautiful variety, similar in form to Fireball. It forms a perfectly symmetrical plant about 10 inches high and 12 inches across and is completely covered with bright carmine flowers.

5667 **Danebrog.** Very compact, flowers of intense scarlet with white eye.

Price, each of the above, pkt., 25c; any 3 for 65c.

5742 **Violet Bouquet.** Deep violet tinged with garnet, changing to deep violet as the flower gets older. The eye is cream making rich color combination. Highly commended at Wisley trials. Pkt., 25c.

5737 **Dwarf Mixed.** 10 in. A mixture of dwarf growing varieties suitable for ground cover, edging or rock work. ½ oz., 40c; pkt., 10c.

Annuals for Shade or Semi-shade

Asperula
Balloon Vine
Begonia
Bellis
Godetia
Impatiens

Lobelia
Mimulus
Myosotis
Nemophila
Pansy
Torenia

Viola Cornuta

5746 VERBENA Vaughan's Special Dwarf Mixture.

A formula mixture of named varieties of compact dwarf varieties of all colors, giving a brilliant effect in mass planting. Excellent for front yard and formal plantings. Pkt..... 25c



6105 ZINNIA Pumila Double Mixed. Pkt., 10c.

Pumila Double 18 in.

"Cut and Come Again"

On bushy plants 18 inches tall, fully double flowers are borne in abundance. The flowers average two inches across, and are held above the foliage on stout stems. They make fine border plants, registering color well, or excellent plants for large pots and tubs. They are also fine cut flowers.

6080 Snow Ball. 6095 Fire Ball.

6085 Golden Ball. 6097 Pinkie.

6100 Watermelon Pink. A very pleasing and charming shade of salmon-rose.

Price, each of the above: $\frac{1}{4}$ oz., 25c; pkt., 10c.6105 Pumila Mixed. Oz., 75c; $\frac{1}{4}$ oz., 25c; pkt., 10c.

5860 Crested and Curled. The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias. 30 in. Pkt., 10c.

5867 Early Wonder Salmon-Pink. The first of a new race of dwarf, early flowering Zinnias, producing masses of Pumila type flowers on long stems. $\frac{1}{2}$ oz., 40c; pkt., 10c.

5865 Isabellina. A beautiful cream yellow. A favorite of Mrs. Francis King. One of our friends writes us: "We think this one of the nicest shades of Zinnias for cutting that we have ever grown. Mrs. B. made up a basket of these cut with long stems, filling in with Baby's Breath, and it was indeed fine." Pkt., 20c.

6110 Red Riding-Hood. 1 ft. Of compact form covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. $\frac{1}{4}$ oz., 30c; pkt., 10c.

6110 ZINNIA Red Riding Hood. Pkt., 10c.

Bed and Border Zinnias

Culture: A or B (May 15th), D or E (March-April)—For Cultural Instructions, See 87

MOST gorgeous of annuals with a wonderful range of color. Extremely double flowers with long stems and good keeping qualities make this old fashioned flower a joy in the garden. If grown in a sunny spot in well fertilized soil and watered freely the flowers will be more completely double. To grow extra large zinnias, thin so the plants are twelve to fifteen inches apart in the row and rows three feet apart for the giant and two feet apart for the small varieties. Do not plant until all danger of frost is past and do not plant nearer to trees than the height of the tree. Dust with finely ground sulphur when the first buds are beginning to form at the rate of $\frac{1}{2}$ pound per square rod to avoid mildew. Nearly all varieties of Zinnia will vary somewhat in trueness.

For border effects during hot weather when perennial flowers are few, the small flowered zinnias are coming rapidly to the front. They bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants, and cut flowers.

6126 Vaughan's Mixture of Midget Zinnias Until you have seen the amazing variety of forms and colors which our Midget Zinnias produce, you would hardly believe them possible. Single, double and semi-double flowers are produced in a remarkable range of color blends and combinations. They are rich in orange, red, maroon and yellow tones, some showing red tipped with gold, salmon and gold, pure gold and rich cream. In form, many would hardly be recognized as zinnias by one who did not know them. Their flowers are small but abundant. They are wonderful material for table decorations and bouquets, and fine border plants as well. $\frac{1}{4}$ oz., 50c; pkt., 15c.

Quilted Type

6158 Achievement or Victory Mixed.

The petals are quilted giving somewhat the appearance of a Cactus Dahlia in various shades of tan. Pkt., 15c.

Giant Picotee

A new and distinct class with double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with darker shades.

6157 Giant Picotee Mixed. Pkt., 15c.



6126 ZINNIA, Vaughan's Midget Mixture. Pkt., 15c.

A Tribute to Red Riding Hood

From a Missouri Gardener, 1936

"Just imagine clumps of little red flowers, with maybe a hundred blooms. They have been in flower all summer through the heat and drouth. They have seeded themselves, and new plants are coming up all around. They make buds as soon as they get started and keep merrily on their way."

Dainty Lilliputs and Mexicans

Pompon (Lilliput) or Baby Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer. 12 to 15 in.

6052 Bright Pink. 6065 Salmon Rose.

6061 Crimson Gem. Gem

6062 Golden Gem. 6066 Scarlet Gem.

6062A Lilac Gem. 6067 White Gem.

6063 Orange Gem. 6064 Purple.

6068 Rose Bud. New rose pink.

6069 Valencia. A real deep burnt orange.

Price, each of the above, $\frac{1}{4}$ oz., 30c; pkt., 10c.6075 Lilliput Mixed. Oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt., 10c.

6120 Mexicana Fl. Pl. 16 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. Pkt., 10c.

6125 Mexicana Fl. Pl. Hybrids. 16 in. Double flowers in various shades of brown and orange. Pkt., 10c.

6115 Mexicana or Miniature. Flowers small and showy, daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. Pkt., 10c.

See next page for other varieties of Zinnias.



6065 ZINNIA Lilliput Salmon Rose Gem. Pkt., 10c.

A Garden of Giant Zinnias

6 PACKETS, CATALOG VALUE 90c. All

Dahlia flowered. One each of Crimson Monarch, Dream, Polar Bear, Illumination, Old Gold and Eldorado.

50c

Culture: A or B (May 15th). D or E March-April)

Dahlia Flowered Zinnias 3 to 4 ft.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias.

- 6132 **Buttercup.** An immense deep creamy yellow.
6131 **Canary Bird.** A delicate shade of primrose.
6133 **Crimson Monarch.** Rich crimson. Largest and best of red shades.

6133A **Crown O'Gold.** Each petal is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip. The color range comprises old rose, cream, yellow, carmine and burnished red—a new shade in Zinnias. Varies.

6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).

6134A **Eldorado.** Rose on deep salmon.

6135 **Exquisite.** Color light rose with center a deep rose. (Tyrian Rose.)

6135A **Giant Attraction.** Brick red.

6137 **Golden Dawn.** This beautiful shade of golden-yellow with red center.

6136 **Golden State.** A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.

6130 **Illumination.** Similar to Exquisite but a striking self-color of deep rose.

6130A **Luminosa.** Bright deep pink.

6142 **Meteor.** A rich glowing deep red, darkest of all red shades.

6129 **Old Gold.** Glowing burnished deep and lighter shades of Old Gold.

6129A **Old Rose.** Real old rose shade.

6138 **Oriole.** An immense orange and gold bicolor.

6139 **Polar Bear.** A very large pure white, the best white yet.

6139A **Purple Prince.** Deep purple.

6140 **Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

Price, each of above: $\frac{1}{4}$ oz., 50c; pkt., 15c

6145 **Dahlia Flowered Mixed.** All the above and others. A very charming and delightful surprise will result if you plant this. Oz., \$1.50; $\frac{1}{4}$ oz., 50c; pkt., 15c.

Colossal or Giant 3 ft.

The flowers are of enormous size, thickly set with velvety petals.

5926 **Blood Red.**

5937 **Bright Rose.**

5976 **Burnt Orange.**

5935 **Buttercup.**

5930 **Cream.**

5977 **Crimson.**

5965 **Golden Yellow.**

5978 **Lavender.**

5975 **Orange.**

5943 **Rose Queen.**

5990 **Royal Purple.**

5960 **Pink Shades.**

5944 **Salmon Rose.**

5980 **Scarlet.** 5985 **Violet.** 5925 **White.**

Price, each of the above, pkt., 10c; any 3 pkts. for 25c.

6015 **Vaughan's Colossal Zinnias, Mixed.** Oz.,

\$1.00; $\frac{1}{4}$ oz., 30c; pkt., 10c.



6145 ZINNIAS Dahlia Flowered.
Mixed. Pkt., 15c.

6170 ZINNIAS Vaughan's Special Mixture of all Giant sorts including the cream of the Dahlia Flowered, Colossal, California Giants and Picotee mixed. This will produce a mass of color and will make a corner gay in the garden. Oz., \$1.50; $\frac{1}{4}$ oz. 50c; Pkt. 25c

Fantasy — A New Type

5908 **Mixture.** This new Mixture with rounded flowers is composed of a mass of shaggy ray-like petals which gives a delicate and refined appearance to the medium sized double flowers. They lend themselves gracefully to flower arrangement. The color range includes the brightest shades of reds and orange, as well as the popular pastel pinks and cream. Pkt., 25c; 3 pkts., 65c.—See also Novelties.

Scabiosa Flowered

6159 **Mixed.** 2 $\frac{1}{2}$ ft. On a single corona of outside petals stands a semi-globular crown with a large number of small florets giving a most interesting effect, similar in form to the flowers of the Scabiosa. Pkt., 25c; 3 pkts. 65c.

6173 **Vaughan's Novelty Mixture.** All the new forms of the zinnia, which are being produced in such great profusion, are included in this mixture. Such as the Cornucopia, Gaillardiodies, Scabiosa flowered and others, all delightfully novel. We recommend it to all interested in novelties. Pkt., 25c; 3 pkts., 65c.

6150 FRAGRANT
ZINNIA Lemon
Queen. Pkt., 15c.



California Giant Zinnias 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful.

6161 **Brightness.** A bright, deep rose.

6164 **Cerise Queen.** Beautiful cerise rose.

6161A **Daffodil.** Bright canary-yellow, so resembling Narcissus King Alfred in color, the name Daffodil is most appropriate.

6162 **Enchantress.** Giant flowers of light rose pink, early.

6146 **Grenadier.** A very dark red.

6168 **Isabellina.** A beautiful cream-yellow.

6147 **Lavender Gem.** A good clear lavender.

6150 **Lemon Queen.** The petals are light canary on the upper and cerise on the lower side. It is the only Zinnia with fragrance and of exceptional size.

6163 **Miss Willmott.** Soft pink.

6151 **Orange King.** Rich, deep orange.

6167 **Pink Profusion.** Delicate shrimp pink.

6153 **Purity.** A clean pure white.

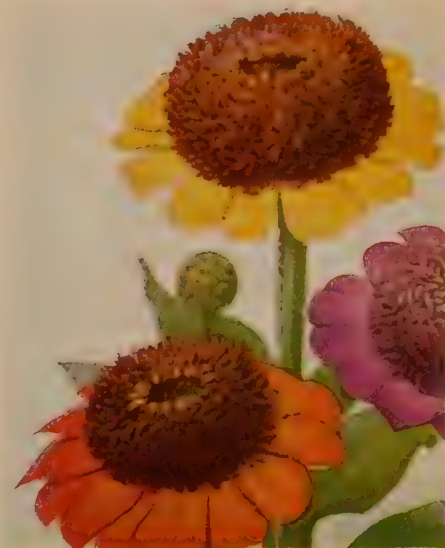
6166 **Rose Queen.** Warm, deep rose, outstanding.

6165 **Scarlet Queen.**

6149 **Violet Queen.** Violet.

Price, each of the above, $\frac{1}{4}$ oz., 50c; pkt., 15c; any 4 pkts., for 50c.

6156 **California Giants Mixed.** Oz., \$1.50; $\frac{1}{4}$ oz., 50c; pkt., 15c.



6159 ZINNIA Scabiosa Flowered. Pkt., 25c.



5908 ZINNIA Fantasy Mixture. Pkt., 25c.



5813 VIOLA Vaughan's Improved Scotch Mixed. 25c.

Free Flowering Violas

Culture: A or B (March-April)

BECAUSE of their free flowering habit, and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer.

CORNUTA TYPE

5785 **Admiration.** Violet-blue. Pkt., 10c.

5790 **Blue Perfection.** Pale blue. Pkt., 10c.

5793 **G. Wermig.** Resembles large violet. Pkt., 25c.

5794 **G. Wermig, White.** Pkt., 10c.

5796 **Jersey Gem.** Flowers of rich pure violet, large and fragrant flowering persistently all summer. Pkt., 25c.

5799 **Mauve Queen.** Violet-mauve flowers. Pkt., 10c.

5800 **Papilio.** Flowers soft lavender-purple, lower petals flushed white. Pkt., 10c.

5802 **Puck.** Upper petals purple-velvet, lower clear yellow. Pkt., 15c.

5803 **Rose.** Varies. Pkt., 10c.

5804 **Spring Messenger.** Bright rich purple. Pkt., 25c.

5806 **White Perfection.** Finest white. Pkt., 10c.

5807 **W. H. Woodgate.** In habit the plant is compact and the color is of intense blue, bluest of all. Comes true from seed. Pkt., 25c.

5814 **Cornuta Small Flowered Type, Mixed.** ½ oz., 35c. Pkt., 10c.

5813 **VIOLA** Vaughan's Improved Scotch. A charming and delightful mixture of these bright and ever-blooming Violas in a complete color range, shading from pale lavender to rich purple-black yellow, white, terra-cotta, apricot and rose. Pkt. 25c

CORNUTA HYBRIDS (Large Flowers)

5786 **Apricot.** Beautiful rich apricot shade, tinged orange towards the center. Pkt., 25c.

5787 **Arkwright Ruby.** Bright ruby crimson shaded terra cotta; fragrant. Pkt., 25c.

5788 **Black Prince.** 8 in. Velvety black. Pkt., 10c.

5789 **Blue Butterfly.** Vivid mid-blue shading to white in the upper petals. Pkt., 25c.

5801 **Primrose Dame.** Sulphur yellow. Pkt., 15c.

Miscellaneous Violas

5797 **Johnny-Jump-Up or Viola Tricolor.** The plants are easily raised from seed, come into bloom very quickly, and their little pansy faces of purple, blue and yellow are delightful. Perfectly hardy and will reseed itself. Pkt., 25c.

5798 **Lutea Splendens.** 8 in. Bright yellow. 10c.

5792 **Gracilis—Lord Nelson.** 6 in. Glowing violet purple. Pkt., 25c.

5810 **Primrose Perfection.** Beautiful shade of primrose, fine form. Pkt., 25c.

WILD CUCUMBER

Culture: A or B (March-June), D or E

5847 **Echinocystis Lobata.** □ = Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. 1 oz., 25c; ¼ oz. 15c; pkt., 10c

XERANTHEMUM (Everlasting)

Culture: D or E (March-May)

5849 **Double Mixed.** □ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.

5850 **Pompon Flowered Mixed.** Double everlasting, a globular flower of great beauty in white, pink and purple, makes novel buttonhole bouquet. Pkt., 15c.

6175 **ZE A Japonica Quadricolor Perfecta.** (Rainbow Corn). Pkt., 10c.

WALLFLOWER (Goldlack) ÷

Culture: D or E (Feb.-March)

Wallflowers should be better known because of their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers. The oriental coloring of the flowers in rich reds and yellows is very effective. They are easily grown and last long as cut flowers. In the Northern States, should be wintered in cold frames. 18 inches.

5820 **Single Mixed.** Pkt., 10c.

5825 **—Annual Blood-Red.** Pkt., 10c.

5824 **—Goliath.** Shining red with a velvety black sheen. Pkt., 10c.

5830 **—Annual Golden Gem.** Pkt., 10c.

5835 **—Annual Mixed.** Pkt., 10c.

5840 **Double Mixed.** Pkt., 15c.

5832 **Annual Double.** The was developed by crossing the perennial double with the early annual and should thrive and bloom profusely in warm and dry countries where only the early annual singles are successfully cultivated. A fine potplant and if sown early will bloom first year from seed. Pkt., 15c.

VINCA ROSEA

(Periwinkle) +

Culture: D or E (February-May)

Ornamental free-blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed germinates slowly but if sown early plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom for the winter. 1 ft.

5770 **White.** 5772 **White with Eye.**

5771 **Delicata.** Soft pink. 5773 **Pink.**

Price, each of above. Pkt., 10c; any 3 pkts., 25c.

5775 **Mixed.** Pkt., 10c; ¼ oz., 25c.



5775 VINCA ROSEA Mixed. Pkt., 10c.



5658A VENIDIUM Fastuosum Hybrids. Pkt., 25c.

VENIDIUM

Culture: D or E (February-March)

5659 **Calendulaceum.** 14 in. A strong growing, bushy plant with large, brilliant, orange colored, daisy-like flowers with a paler zone around the central dark disc. The fine silver-greyish foliage adds to its beauty. Grows on dry side without fertilizer. Pkt., 15c.

5658 **Fastuosum.** 2 to 3 ft. Above the greyish silky foliage rise numerous orange flowers marked with a purple-black zone averaging four to five inches across. Treat as a half-hardy annual, sowing in March or April, as germination is difficult earlier. Plant in sunny position. Pkt., 25c

5658A **Fastuosum Hybrids.** 2-3 ft. A new race with a remarkable range of colors, from pure white through ivory, yellow and buff, set off by glistening black centers with maroon markings at base of petals. Germinate and grow more vigorously than original. Pkt., 25c.

VISCARIA

Culture: D or E (February-March)

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

5776 **Blue Bouquet.** 1 ft. Large blue. Pkt., 25c.

5777 **Cardinalis.** 1 ft. Bright carmine. Pkt., 10c.

5778 **Mixed.** 1 ft. ¼ oz., 25c; pkt., 10c.

5779 **Dwarf Mixed.** 8 in. Pkt., 10c.

5657 **URSINIA Anethoides.** Orange - yellow. Pkt., 25c.

5657A **—Choice New Hybrids Mixed.** Pkt., 25c.

5845 **WHITLAVIA Gloxinoides Blue (California Canterbury Bells).** Pkt., 10c.



5778 VISCARIA Mixed. Pkt., 10c.

Perennial Flower Seeds and Plants

Note—All Plants are F. O. B. our Greenhouse, Western Springs, Illinois. Postage must be added or they will be sent express at buyer's expense.
Plants Marked X Suitable for Rock Garden. For Complete Cultural Instructions, See page 87.



7012 **ACHILLEA** Perry's White.
Pkt., 25c. Plants, 3 for 85c.

ACHILLEA (Milfoil, Yarrow)

Culture: B (Feb. to July 15th), D or E (March-July)

Achilleas grow readily from seed in sunny, well-drained positions, except the varieties marked X which should have rock garden conditions. They are fine border flowers and several are excellent for cutting.

7007 X **Ageratum**. 1 to 2 ft. A pretty alpine of compact habit, with leaves like Ageratum. Yellow, sweet-scented. Pkt., 15c.

7008 **Eupatorium Filipendula, Parker's Variety**.

3 to 5 ft. June-Sept. Clear yellow flower-heads. May be dried for winter bouquets. Pkt., 15c.

7009A **Millefolium Cerise Queen**. Dark cherry red. Pkt., 25c.

7009 —**Kelwayi**. 2 ft. Carmine rose. Pkt., 35c.

7010 **The Pearl**. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c; Plants, 3 for 85c; doz., \$2.50.

7012 **Perry's White**. 2 ft. Improved "The Pearl" larger and more double. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7013 X **Tomentosa Aurea**. 8-10 in. A woolly carpet-like plant for rockeries. Pkt., 15c.

ACAENA X

Culture: D or E (April-May); A or B (May-June)

Dwarf, spreading perennial with inconspicuous green flowers, and showy crimson spines. 2 in.

7002 **Glauca**. Silvery blue foliage. Pkt., 25c.

7003 **Microphylla**. Leaves pale green. Pkt., 25c.

7030 **ADLUMIA Cinchosa (Alleghany Vine)**.

15 ft. June. Pink flowers, fern-like foliage. Pkt., 10c.



7055 **ALYSSUM** Saxatile.
Pkt., 10c. Plants, 3 for 85c.

ACONITUM (Monkshood)

Culture: C (Nov.-June)

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established and require a mulch in winter. They are valuable for their rich blues, among the few true blues found in flowers. The roots are poisonous.

7015 **Fischeri**. 2 ft. September. Dwarf, dark blue, hardiest of all. Pkt., 15c.

7020 **Napellus**. 3-4 ft. July-August. Upright spike of dark blue flowers. Pkt., 15c.

7025 **Wilsoni**. 4-6 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

7035 **ADONIS Vernalis**. 18 in. Yellow. Pkt., 10c.

7037 X **AETHIONEMA Cordifolium (Lebanon Candytuft)**. 6-8 in. June. Rosy-lilac. Pkt., 50c.

7052 **ALSTROEMERIA Aurantica**. 3 ft. Orange and red. Pkt., 25c.

7060 **AMPELOPSIS Veitchii (Boston Ivy)**. Pkt., 10c. For Plants, See Hardy Vines.

Order Plants

by name. Give quantities desired in plain figures and write only one kind on each line.

Relative Prices Are as Follows:

		3 supplied for Each	
Plants	priced at	per dozen	
\$2.00	2.50	.....	\$0.65
3.50	5.00	.....	.85
		.....	1.00
		.....	1.50

25 plants of a variety at the 100 rate where listed by the hundred.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

ALYSSUM (Madwort)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7054 X **Argenteum**. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 X **Saxatile Compactum (Basket of Gold)**.

9 in. May-June. Masses of golden flowers very early. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7056 X **Compactum Sulphureum**. Pale lemon-colored flowers. Pkt., 15c.

7058 **Rostratum**. 20 inches. Flowers deep yellow in dense heads. Pkt., 25c.

7059 X **Serpyllifolium (Thyme leaved)**. 3-4 in. Gray leaves, pale yellow flowers, excellent for dry sunny positions. Pkt., 15c.

ANTHEMIS (Marguerite)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Free-flowering perennials with attractive cut foliage and large daisy-like flowers. Succeed in poor soil but need full sun.

7110 **Kelwayi**. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7111 —**Alba**. 3 ft. Hardy white Marguerite. Pkt., 15c.

7113 X **Montana**. 9 in. Silvery tufted foliage with white flowers. April to July. Pkt., 15c.

7115 **Tinctoria**. 2-3 ft. Bright yellow shading to white. June-Oct. Pkt., 10c.

7114 **Tinctoria, Perry's Variety**. 2 ft. Large lemon-yellow daisies, in bloom all summer. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.



7073 **ANCHUSA** Myosotidiflora.
Pkt., 35c. Plants, 3 for 85c.

ANCHUSA

Culture: B (Feb. to July 15th), D or E (March-July)

The tall varieties are among the few good border subjects with blue flowers.

7070 **Italica, Dropmore Variety**. 5 ft. June-July. Gentian-blue flowers. Thrives best in partial shade. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7069 —**Lisadell**. 6 ft. Large, gentian-blue. Pkt. 25.

7072 —**Opal**. 3-5 ft. June-July. Light blue. Pkt., 15c.

7073 X **Myosotidiflora (The Forget-me-not An-**

chusa). 1 ft. April-May. A lovely spring perennial which blossoms with the late tulips forming a mound of attractive foliage almost hidden by pale blue forget-me-not blossoms held above the foliage on straight stems. Germination is slow and fall sowing in an open seed bed gets good results. Pkt., (50 seeds), 35c. Plants, 3 for 85c; doz., \$2.50.

AGATHEA

Culture: D, E or C (Jan.-July)

7040 **Coelestis (Blue Daisy)**. 1½ ft. June. Flowers sky-blue with yellow disk. Useful in the border, for bedding and as a pot plant; half hardy. Pkt., 10c.

7045 X **AGROSTEMMA Coronaria Mixed**. 10c.

7048 X —**Coronaria Atrosanguinea**. Red. Pkt., 10c.

7049 —**Hybrida Walkeri**. Rosy crimson. 10c.

7050 —**Flos Jovis**. Rosy purple. Pkt., 10c.



7114 **ANTHEMIS** Perry's Variety.
Pkt., 25c. Plants, 3 for 85c.



7151 AQUILEGIA Dobbie's Imperial Hybrids. Pkt., 25c.

7151 Dobbie's Imperial Hybrids. A strain with large, long spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7150 Mrs. Scott Elliott's Strain of Long-Spurred Hybrids. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

Colorful Columbines

COLUMBINES (Aquilegia)

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

To the exquisite daintiness and poetic beauty of these flowers, modern strains have added a wonderful range of colors, both of soft pastel and brilliant tones. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil.

- 7119X Alpina.** Blue. 2 ft. April-July. Pkt., 15c.
7121 California Hybrids. 3 ft. Long spurred, dark carmine-lake. Pkt., 20c.
7120 Canadensis (American Columbine). 1 to 2 ft. May-July. Handsome scarlet and orange flowers. Pkt., 10c.
7125 Chrysantha. 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.
7130 —Fl. Pl. 3 ft. Double golden yellow. Pkt., 15c.
7126 —Silver Queen. 3 ft. Long spurred silvery white flowers. Pkt., 25c.
7140 Coerulea (Rocky Mountain Columbine). 1 to 2 ft. April-July. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Pkt., 10c.
7145 —Rosea (Rose Queen). 2½ ft. Beautiful light to dark rose with white center. Pkt., 25c.
7142 Colorado Rainbow Hybrids. Including blue, yellow, white, lavender, orchid, purple, three shades of red, all pink, pink and white, red and white and red and yellow, all in the Native Columbine. Pkt., 25c.
7171 Edelweiss. 16 to 20 in. Large snow-white blossoms. Pkt., 25c.
7148 Flabellata Nana Alba. A delightfully dwarf variety for the rock garden perfect foliage and ivory-white flowers. The whole plant not over 8 to 10 inches high. A quaint Japanese species. Pkt., 25c.
7154 Glandulosa Vera. 3 ft. Bright sky-blue with white corolla. Pkt., 50c.
7152 Jaetschau. 3 ft. Large-flowered yellow with long, red spurs. Pkt., 25c.
7158 Long Spurred Blue. Splendid selection from light to dark blue. Pkt., 35c.
7159 Long Spurred Orange and Scarlet. Unusual tones in great variety. Pkt., 35c.
7156 Long-Spurred Crimson Star. Brilliant, dark crimson, borne profusely. Pkt., 25c.
7157 Long-Spurred Copper Queen. Lovely deep copper with long spurs of deeper hue, while the inside of the corolla is a buff. The guard petals are unusually broad, and the flowers gracefully poised on strong stems. Pkt., 50c.
7165 Skinneri (Mexican Columbine). 2 to 3 ft. June-August. Scarlet and yellow. Pkt., 15c.
7143 Longissima. A beautiful American species having spurs 4 inches in length on flowers of a delicate pale yellow. One of the most attractive Aquilegias that can be obtained from seed. Pkt. (50 seeds), 50c.
7190 Aquilegia Vaughan's Special Mixture includes all the varieties mentioned and new colors not found elsewhere. Pkt., 25c.
 These have small double flowers like miniature roses and bloom very freely.

7181 Double White. Pkt., 25c. **7182 Double Old Rose.** Pkt., 25c.

See Also Novelty Pages

For Cultural Instructions, See page 87.

Showy Flowered Anemones

ANEMONE (Windflower)

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Some varieties flower in the spring; and the Japanese anemones are among the most beautiful of fall flowering perennials.

- 7075X Coronaria (Poppy Anemone).** Mixed colors. Early spring-June. 6-12 in. Pkt., 10c.
7074 —Blue. Pkt., 25c.
7080X —St. Brigid's Strain. May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Pkt., 20c.
7077 —His Excellency. Large single scarlet. 25c.
7078 —The Governor. Double scarlet. Pkt., 25c.
7090X Pulsatilla (Pasque Flower). 1 ft. April-May. Flowers varying from lilac to purple. Should not be disturbed for several years. Pkt., 10c.
7095X Pulsatilla Rubra. 6 to 9 in. April-May. Dark red, erect flowers. Pkt., 15c.
7100X Sylvestris (Snowdrop Windflower). 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. Pkt., 15c.

ANEMONE (Japanese Windflower). 2 to 3 ft. Bloom freely from late August till severe frosts. One of the most important fall garden plants. They prefer shade, moisture, a fertile and well drained location. Protect in winter. When once established they should not be disturbed.

- Alba. White, yellow center.
 —Hupehensis. Rose-pink.
 —Lorelei. Lilac rose, semi-double.
 —Queen Charlotte. La France pink, semi-double.
 —Whirlwind. Full double white.

Plants, any of above Anemone Japonica, 3 for \$1.00; doz., \$3.50; 100, \$25.00.



ANEMONE Japonica. Plants, 3 for \$1.00.

Japanese Anemone Collection No. 72
 One plant each of 4 varieties our selection for \$1.20.

7116X ANTIRRHINUM Asarina. 6 in. July. Creeping snapdragon. Cream. Pkt., 25c.

7214X ARENARIA Montana. 6 in. Silvery white flowers. Pkt., 25c.

ARABIS (Rock Cress)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
 Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

- 7195X Alpina.** 1 ft. April. Pure white flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.
7197X —Rosea. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.
7196X —Compacta. 9 in. May. Compact growing type, white flower. Pkt., 15c.
7198X —Grandiflora Superba. 1 ft. May. Large flowered white variety. Pkt., 15c.
7199 Billiardieri Rosea. 9 in. Pink. Pkt., 25c.



7195 ARABIS Alpina. Pkt., 10c.
 Plants, 3 for 85c.



7217 **ARMERIA** Bee's Ruby
Pkt., 25c. Plants, 3 for \$1.00.



HARDY ASTER Marjorie. Plants, Each, 50c.



7230 **AUBRIETIA** Hybrids.
Pkt., 25c. Plants, 3 for 85c.

ARMERIA (Thrift, Sea Pink)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

- 7205 X Alpina.** 1 ft. July. Deep rose. Pkt., 10c.
7217 X Bee's Ruby. A giant flowered type with deep glowing ruby blooms on stout 12-inch stems. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.
7210 X Formosa. 24 in. Pretty rose-pink. Pkt., 10c.
7211 X Formosa Hybrida. 24 in. Shades of pink. Blooms early summer. Pkt., 15c.
7218 X Lauchiana. 6 in. June-Aug. Crimson. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.
7219 X Maritima. 1 ft. May-June. Silvery pink. 15c.

ASCLEPIAS (Butterfly Weed)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
7220 Tuberosa. 2 ft. One of the showiest of our native perennials, producing from July until frost, brilliant orange flowers, with purplish stems and hairy leaves. Pkt., 15c. Plants, 3 for 85c.

- 7215 X ARNICA Montana (Mountain Tobacco)**
1 ft. Yellow. July. Tufted. Pkt., 15c.

- 7222 X ASPERULA Odorata.** 8 in. (Woodruff). 10c.

AUBRIETIA

Culture: B (Feb. to July 15th), D or E (Mar.-July)
One of the daintiest and most delicately beautiful of all dwarf, creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

- 7231 X Bougainvillei.** Light violet purple. Pkt., 25c.
7231A Deltoidea. Light purple. Pkt., 25c.
7231B —Eyril. Fine large blue. Pkt., 25c.
7232 X Graeca. Light blue, dwarf. Pkt., 25c.
7233 X Leichtlinii. Large-flowered, rosy lilac. 25c.
7233A Rosea Grandiflora. Pkt., 25c.
7234 Whitewell Gem. Glowing rosy purple with slight tinge of blue. Pkt., 25c.
7230 X Large-Flowered Hybrids, Mixed. A wonderfully fine strain, good range of colors. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

BAPTISIA

Culture: B (Feb. to July 15th), C (April-July) D or E (Mar.-July)
7235 Australis (False Indigo). Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves and Lupin-like blue flowers in June and July. Pkt., 10c.

- 7240 BOCCONIA Cordata.** 5 ft. Cream. Pkt., 10c.

BOLTONIA (False Chamomile)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
They are among the relatively few fall flowering perennials, and are effective as background plants. They bear small star-flowers in large clusters.

- 7245 Asteroides.** 4-6 ft. July-Oct. White. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.
7250 Latisquama. 4-5 ft. July-Oct. Delicate pink. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.
7254 BUPHTHALMUM Cordifolium. 3 ft. Yellow. Pkt., 15c.

Hardy Asters (Michaelmas Daisies)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Native in this country, the hardy asters have been developed abroad to become the chief reliance of British gardens for early fall color. They are even more successful with us, producing masses of lavender, pink or white blossoms up until November, at a season when other flowers are scarce.

DWARF ALPINES

- 7226 X Alpinus Goliath.** 6 to 10 inches. May-June. Large showy bluish-purple flowers with yellow center. Pkt., 20c.
7226A —Dark Beauty. 1 ft. Deep blue. Pkt., 25c.
7227 X —Nixe. Light blue. 12 in. Pkt., 15c.
7227A X —Mixed. 5 to 10 inches. May-June. Large lavender-blue and white flowers. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

THE NEW DWARF ASTERS

They are similar to the Novae-Belgi type but much more compact and shorter. Extremely showy in full bloom and a welcome addition.

- X Countess of Dudley.** 1 ft. Oct. Charming clear pink flowers with yellow eye.
X Marjorie. 9 in. Oct. A charming plant of compact habit, large flowers, bright rose-pink.
X Victor. 6 in. Sept. The dwarfest of all and very pretty. The flowers are of good size and of a beautiful clear pale lavender-blue.

Price, any of above New Dwarf Asters:
Plants, each 50c; 3 for \$1.25; doz., \$3.50.

- X Amellus Wonder of Enkhuizen (New).** 20 in. July-Oct. Violet-blue, yellow center. Noted for long blooming season and compact bushy growth with abundance of bloom. 3 for \$1.00; doz., \$3.50.

- 7224 Amellus Hybridus.** 2½ ft. New named varieties, finest mixed. Pkt., 25c.



7475 **CLEMATIS RECTA.** Grandiflora. 15c.

AMELLUS HYBRIDS—Continued

- 7224A Amellus Beauty of Ronsdorf.** 2 ft. Aug.-Sept. Large lilac-rose flowers in great profusion; plants branching freely. Pkt., 25c.
7223A —Roseus. 20 in. Very like the Beauty of Ronsdorf, but a clear rose. Pkt., 25c.
7229 Farreri. June-July. Soft violet-mauve, with large orange center, flowers 2 to 3 inches across. Blooms in June and July. Pkt., 25c.
7228A Star of Eisenach. (Wartburg Star) May. A new giant flowered variety of the subcoeruleus type. Bright lavender-blue Marguerites with yellow centers measuring more than four inches across. Pkt., 25c. Plants, 3 for \$1.25; doz., \$4.00.
7229A Yunnanensis. June. Brilliant lilac-blue with yellow disk. Pkt., 35c.
7225 Perennial, Large-Flowering Mixed. 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

MICHAELMAS DAISIES

Climax. 5 ft. Oct. One of the showiest, with pyramidal spikes of large, light lavender-blue flowers with gold centers, very free blooming. Plants, 3 for 85c; doz., \$2.50.

Japanese Double White. 2 ft. Entirely different from other hardy Asters. A profusion of very double creamy-white flowers from August till frost. Plants, 3 for \$1.00; doz., \$3.50.

Red Rover. 3-4 ft. Sept. The reddest Aster known, deep rosy red with golden center. Compact habit and free blooming. Plants, 3 for \$1.25; doz., \$4.00.

White Lady. 5 ft. October. Pure white. Plants, 3 for 85c; doz., \$2.50.

BUDDELEIA (Butterfly Bush)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as roses during winter. The top usually freezes back, and new growth starts from the root, like other perennials.

Fortune. 3-6 ft. July-Sept. Patented. Deep lilac-pink, blooms very large in great profusion. Strong pot plants. Each, \$1.00.

Ile de France. 3-6 ft. July-Sept. Large trusses of rich, rosy violet-purple, fragrant. A good cut-flower. Strong pot plants to bloom this summer. Each, 40c; 3 for \$1.00; doz., \$3.50.

- 7251 Variabilis Veitchiana.** 3-8 ft. July-Sept. Mauve. Pkt., 15c.

- 7257 X CALAMINTHA Alpina.** 6 in. Pkt., 25c.
7256 X CALLIRHOE Involucrata (Poppy Mal-low). Crimson. Pkt., 15c.

- 7376 CASSIA Marylandica.** 4 ft. Yellow. 10c.

- 7377 CATANANCHE Coerulea.** 2 ft. Blue. 10c.

- 7433 CEPHALARIA Alpina.** Yellow. Pkt., 15c.

- 8319 CHELONE Barbata Praecox.** Pink. 15c.

CLEMATIS

Culture: B (Feb. to July 15th) C (Nov. to March)
7474 Large Flowering Hybrids. A mixture of large flowering sorts. Pkt., 25c.

Jackmanii. See Climbing Vines.

- 7473 Paniculata (Small Flowering).** White. 10c.

- 7475 Recta Grandiflora.** June-July, 2-3 feet. Clusters of fragrant white flowers. Pkt., 15c.



7270 **CAMPANULA** Calycanthea (Cup and Saucer) Mixed. Pkt., 10c.



7260 **CAMPANULA** Carpatica Pkt., 10c. Plants, 3 for 85c.



7310 **CAMPANULA** (Canterbury Bells) Single Mixed. Pkt., 10c. Plants, 3 for 65c.

Canterbury Bells and Other Campanulas

Culture: B (Feb. to July 15th), D or E (Mar.-July). This brilliant family includes the Canterbury Bells and Cup and Saucer type, which are biennials, as well as a number of true perennials varying in height from dainty rock garden subjects 8 inches tall to the stately pyramidalis and persicifolia types which reach 6 feet. While large growing types demand rich soil, there are no flowers more thrifty or adaptable than the small and medium sized Campanulas.

CUP AND SAUCER

- 7270 **Calycanthea Mixed.** 2 ft. June-Aug.
 7275 —**White.** Plants, 3 for 85c; doz., \$2.50.
 7280 —**Pink.** Plants, 3 for 85c; doz., \$2.50.
 7285 —**Blue.** Plants, 3 for 85c; doz., \$2.50.
 7284 —**Lilac.**

Price, each of above, pkt., 10c.

CANTERBURY BELLS

- 7325 **Double Pink.** 7330 **Double Mixed.**
 7315 **Double White.** 7320 **Double Blue.**
 7300 **Single Blue.** Plants, 3 for 85c; doz., \$2.50.
 7301 **Single Lilac.** Pkt., 15c.
 7305 **Single Pink.** Plants, 3 for 85c; doz., \$2.50.
 7295 **Single White.** 2 ft. June. Plants, 3 for 85c; doz., \$2.50.
 7310 **Single Mixed Colors.** Plants, 3 for 65c; doz., \$2.00.

Each of the above, except where noted: Pkt., 10c.

OTHER CAMPANULAS

- 7259 **Alliariaefolia.** Creamy white flowers; desirable border plant. 2½ ft. Pkt., 25c.
 7260 **×Carpatica (Harebell).** 9 in. June to Aug. Forms tufts of neat foliage above which are borne cup shaped, upright blooms of a glistening light violet-blue, freely produced. Splendid for edging, dry walls and border. Likes partial shade. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.
 7265 **×Alba.** 9 in. July. Pure white. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.
 7334 **×Fragilis, The Basket Campanula (Blue Star of Bethlehem).** Is of prostrate trailing habit and has large pale blue flowers. It likes a well drained position with as little moisture as possible. If sown early blooms the first year. Half hardy. 25c.
 7331 **Garganica.** Beautiful star-shaped sky blue flowers fairly cover the trailing plants, excellent for walls or rock gardens. Pkt., 15c.
 7333 **Glomerata Superba (Clustered Bellflower).** Beautiful dark violet flowers borne in clusters. A splendid variety for full sun or partial shade. June-July. 20 in. Pkt., 25c.
 7335 **Lactiflora Coerulea.** Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.
 7338 **Latifolia Macrantha.** 3 ft. Erect stems, large bells, violet-blue. Pkt., 15c.
 7344 **Persicifolia (Peach Bells).** Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
 7345 —**Alba.** White. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

- 7350 **Persicifolia, Mixed.** Blue and white. 25c.
 7346 —**Telham Beauty.** 4 ft. It produces on long stems very large globular open flowers of a lovely china-blue with silvery shading. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
 7348 —**Grandiflora Fl. Pl. Moerheimi.** Flowers large, semi-double, cup-shaped. Pure white, 2 ft. June-July. Pkt., 25c.
 7351 —**Coerulea Plena.** Double blue peach bells. Height, 30 in. Pkt., 35c.
 7352 —**Alba Plena.** Double white. Pkt., 35c.
 7340 **×Pusilla.** Light blue bells, very free blooming. 4 in. July. Pkt., 25c. Plants, 3 for 85c.
 7355 **Pyramidalis (Chimney Bellflower).** Blue. 5-6 ft. August-Sept. Pkt., 10c.
 7365 —**Mixed.** Pkt., 10c.

Coreopsis

Culture: B (Feb. to July 15th), D or E (Mar.-July)

- 7497 **Diadem (Grandiflora Auriculata Superba)** 2 ft. July-August. Single 3-in. flowers of deep yellow, with a maroon blotch. Pkt., 15c.
 7495 **Lanceolata Grandiflora.** 2 ft. June-October. Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. One of the perennials which will flower the first year if sown early. ¾ oz., 25c; pkt., 10c. Plants, 3 for 65c; doz., \$2.00.
 7496 —**Double Flowering (Grandiflora Fl. Pl. Special Selection).** A well fixed double and semi-double strain of the above, vigorous and free flowering. Pkt., 15c.
 7494 **Mayfield Giants.** A fine perennial of Australian origin. It produces a taller and more vigorous plant than the type, with longer and firmer stems and larger individual blooms of which the ray petals are broader. Pkt., 20c. Plants, 3 for 85c.

—**Golden Giant.** A new Coreopsis developed in California. Large flowers of deep color and decidedly fragrant. Blooms freely and continuously. This is a great improvement over the ordinary variety. Plants, 50c each; 3 for \$1.25; doz., \$4.00.

- 7490 **Perry's Variety.** A splendid, showy grandiflora variety bearing larger semi-double flowers, of rich golden-yellow. Pkt., 25c. Plants, 3 for \$1.00.
 7482 **×CONVOLVULUS Mauritanicus.** 6 in. Blue. Pkt., 15c.
 7492 **×CORYDALIS Cheilanthesifolia.** 8 in. Fern-like foliage, yellow flowers. April-October. Pkt., 25c.
 7493 **×Lutea.** 6 in. Gray-green foliage, golden-yellow flowers, in bloom all summer. Pkt., 25c.



7496 **COREOPSIS** Double Flowering. 15c.

CENTAUREA (Hardheads, Knapweed)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

The flower heads are like showy, ragged thistle blooms. They grow 2 to 3½ ft.

- 7426 **Dealbata.** 2 ft. Large and striking rose-pink flowers, feathery foliage. Pkt., 15c.
 7425 **Macrocephala.** The showiest of all, great thistle-like golden yellow flowers on stiff stems. July. Pkt., 10c. Plants, 3 for 85c.
 7430 **Montana Blue.** 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual cornflower. Pkt., 10c. Plants, 3 for 85c.
 7431 —**Alba.** White. Pkt., 15c.
 7432 **Pulcherima.** 15 inches. Lovely rosy lavender flowers. Pkt., 25c.

For Cultural Direction, see page 87.



7500 **DAISY** Shasta Alaska
Pkt., 10c; Plants, 3 for 65c.

Shasta Daisies

Culture: B (Feb. to July 15th), D or E (Mar.-July)
The name Shasta is now applied not to a single variety but to a class of hardy daisies, bearing giant flowers, all splendid border subjects, and easily grown from seed.

7500 **Alaska**. 2-2½ feet. Splendid for cutting. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00.

7501 **Westralia**. Similar to Alaska but taller and earlier. Height 3 ft. Pkt., 15c.

Chiffon. 2 ft. ENTIRELY NEW TYPE. Filled, lacinated, double petals resembling a massive gaillardia. White with yellow center. In bloom practically all summer. Plants, 3 for \$1.25; doz., \$4.00.

7502 **Elder Daisy**. 2 ft. May. A popular variety for early cutting. Blooms are smaller with more to a plant. Pkt., 15c.

Elder Daisy, Improved. Originator's improvement, larger flowers and more prolific bloomer. Plants, 3 for 85c; doz., \$2.50.

7462 **Maximum Conqueror**. June. 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c.

7460 **—King Edward VII.** 2½ feet Very large white flowers on stout stems. Pkt., 10c.

Spring Beauty. 2 ft. A large-flowered white Shasta daisy blooming two weeks earlier. Plants, 3 for \$1.00; doz., \$3.50.

7504 **Giant Double**. They come 50% good double. Some very good white, others creamy white, balance single to semi-double. If one plants seed and selects the plants that are good, they can propagate by root divisions and cuttings. Pkt., 35c.

CARNATION

Culture: B (Feb. to July 15th), D or E (Feb.-April)
GRENADIN

A valuable bedding variety with double flowers blooming first year from seed if sown early. 1 ft.

7390 **Dark Velvety Brown**. Pkt., 15c.

7402 **× Dwarf Red**. Especially suitable for rock work and edging and pot culture. Pkt., 25c.

7398 **Golden Sun**. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 **Scarlet**. Pkt., 10c.

7385 **Triumph, Rose**. Pkt., 15c.

7396 **Tausendschon**. Lovely colors ranging from soft rose and salmon-rose to bright pink. Pkt., 25c.

7400 **White**. Pkt., 20c.

7401 **Mixed**. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and large-flowering, and early.

7410 **Rose**. Pkt., 15c. 7415 **Mixed**. Pkt., 10c.



7719 **DICENTRA** Spectabilis.
Pkt., 35c. Plants, 3 for \$1.25

DICENTRA (Dielytra) (Bleeding Heart or Seal Flower)

Culture: B (Feb. to July 15th), C (Nov.-Mar.)

7718 **Eximia (Plumy Bleeding Heart)**. Dwarf. 12 in. Pkt., 25c.

7719 **Spectabilis**. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border especially in the shade. Pkt., 35c. Plants, 3 for \$1.25; doz., \$4.00.

CYCLAMEN (Hardy)

Culture: B (Feb. to July 15th), C (April-July)

7498 **× Europaeum**. 4 in. The well known red flowering Alpine violet. Aug.-Sept. Pkt., 50c.



7720 **DICTAMNUS** "Gas Plant"
Pkt., 15c. Plants, 3 for 85c.

DICTAMNUS (Gas Plant)

Culture: B (Feb. to July 15th), C (Nov.-March)

This bushy perennial with its attractive flower spikes blooms with the tall bearded iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved.

7720 **Fraxinella**. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50. Three-year clumps, 3 for \$1.25; doz., \$4.00.

7725 **—Albus**. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50. Three year clumps, 3 for \$1.25; doz., \$4.00.

7776 **× DODECATHEON Meadia**. 1 ft. Lilac. Pkt., 25c.



7775 **DIGITALIS** Vaughan's Special Mixture
Pkt., 15c. Plants, 3 for 85c.

Foxgloves (Digitalis)

Culture: B (Feb. to July 15th)

These are biennials and should be sown every year. They should be wintered in a cold frame where sub-zero temperatures are common; and always in a well drained place, as their crowns remain green all winter. Their tall spikes of brilliant color are among the border's most conspicuous ornaments.

7751 **Canariensis**. Canary yellow. Pkt., 25c.

7730 **Gloxiniaeflora White**. Flowers shaped and spotted like a gloxinia. 2-4 ft. June-July. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7735 **—Pink**. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7740 **—Purple**. Pkt., 10c. Plants, 3 for 85c doz., \$2.50.

7736 **—Isabellina**. 5 ft. A very striking variety, producing yellow flowers which gradually develop a chamois or buff shade. Pkt., 25c.

7745 **—Mixed Colors**. Pkt., 10c.

7760 **Monstrosa Mixed**. Long spikes surmounted by one enormous flower. Pkt., 10c.

7768 **The Shirley Hybrids**. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7750 **Grandiflora**. 2 to 3 ft. June-July. Yellowish flowers marked with brown. Pkt., 10c.

7769 **Hybrida Lutzii**. 4 ft. Salmon. Pkt., 20c.

7775 **Vaughan's Special Mixture of Digitalis**.

The above, and other colors. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7435 **× CERASTIUM Tomentosum (Snow in Summer)**. 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

CHRYSANTHEMUMS

Culture: B (Feb. to July 15th), D or E (Mar.-April)

These hardy fall flowering Chrysanthemums will bloom the first year from seed, often producing earlier blooms than possible to obtain from plants. In sections where frosts are early and winters severe, this method of propagation is advised.

7442 **Cascade or Balcony Mixed**. A new form producing drooping spikes a foot or more in length, with flowers about the size of a Climax Aster in delicate pink, rose, yellow and white mixed. Should be grown in hanging basket or pots. 35c.

7450 **Early-Flowering Double Chinese Varieties**. 2 ft. A mixture of fall flowering with some especially fine colors. Pkt., 35c.

7451 **Early-Flowering Single Chinese**. 2 feet. Attractive flowers in many charming shades. 25c.

7445 **Mawii**. A perennial Chrysanthemum with rich pink flowers, perfectly hardy. An ideal subject for border or rockery, height about one foot; flowers two inches across. Silvery foliage. Pkt., 35c.



7569 DELPHINIUM Wrexham, Hollyhock-Flowered Strain. Mixed. Pkt., 50c. Plants, 3 for \$1.50.

7571 DELPHINIUM Vaughan's Special Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.

DORONICUM (Leopard's Bane)

Culture: B (Feb. to July 15th), C (Oct.-May)
Showy spring flowering perennials belonging to the daisy order. Their yellow Marguerite flowers are invaluable for cutting. Seed germinates slowly.

7777 **Caucasicum**. 1½ ft. A showy border plant with large heads of yellow flowers. Spring. Pkt., 50c. Plants, 3 for \$1.25; doz., \$4.00.

7778 **Plantagineum Excelsum**. 3 ft. Large yellow flowers 4 in. diameter. April to Oct. Pkt., (20 seeds) 50c.

7779 **DRACOCEPHALUM Ruyschianum**. 1 ft. Blue. Pkt., 15c.

ECHINACEA (Coneflower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Stout perennials for the border or wild garden. Flowers in July-Aug., good cut flowers.

7780 **Hybrida**. 4 ft. Flowers of various shapes produced in a wide range of colors. Pkt., 15c.

7785 **Purpurea (Purple Coneflower)**. 3-4 ft. A handsome border plant bearing rosy purple flowers. Pkt., 15c. Plants, 3 for 65c; doz., \$2.00.

7788 **ECHINOPS Ritro (Globe Thistle)**. 3-4 ft. Steel-blue flower heads, round like a ball covered with needle-like spines. Pkt., 10c. Plants, 3 for 85c.

7791 **×EDELWEISS Leontopodium Alpinum**. 4-12 in. June-July. The flowers white and star-shaped. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

7791A **—Siberian**. Large flowered form. Pkt., 25c.

ERIGERON (Flea Bane)

Culture: B (Feb. to July 15th), C (Oct.-May)
They somewhat resemble in form the hardy asters, but flower much earlier, and have attractive single flowers which are prized for cutting.

Amos Perry. (New.) 2 ft. Fine compact plant with large double blue daisy-like flowers. A fine cut flower, blooming all summer. Needs covering over winter. Plants, 3 for \$1.50; doz., \$5.00.

7797 **Elatior**. Rosy, 24 in. May-June. Pkt., 20c.

7796 **Speciosus Hybridus Grandiflorus**. Large flowers rich purple. 24 in. June. Pkt., 20c.

7798 **×ERINUS Alpinus**. 4 in. May-June. Purple flowers, good for flagging. Pkt., 25c.

7792 **ERYNGIUM Alpinum**. 2-3 ft. Blue, 10c.

7793 **—Amethystinum**. 2 ft. Blue. Pkt., 15c.

PERENNIAL EVERLASTINGS For Winter Bouquets

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7008 **Achillea Filipendula Parker's Variety**. Pkt., 15c.

7788 **Echinops Ritro (Globe Thistle)**. Pkt., 10c.

7795 **Eryngium Planum (Sea Holly)**. Pkt., 10c.

7860 **Gypsophila Paniculata Fl. Pl.** Pkt., 25c.

8150 **Lunaria Biennis or Honesty**. Pkt., 10c.

8345 **Physalis Franchetti**. Pkt., 10c.

8520 **Statice Latifolia (Sea Lavender)**. Pkt., 10c.

All the Perennial Ornamental Grasses.

New Delphiniums (Hardy Larkspurs)

Culture. B (Mar.-Sept. 1st), D or E (Mar.-May)

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers, varying in colors from the darkest violet to pale lavender. Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding. With hybrids, plants established several years produce the best flowers. If the bloom is cut down to the ground, a second flowering spike is produced.

Taller Species and Hybrids

7550 **Belladonna Improved Cliveden Beauty**. 2 ft. June-July. Flowers exquisite shade of turquoise blue. Pkt., 20c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7551 **Bellamosum**. 3 ft. This is a dark form of the light blue Belladonna with intensely rich, deep blue flowers. Pkt., 20c. Plants, 3 for 85c; doz., \$2.50.

7552 **Bellamosum Improved**. Large deep blue flowers, uniform in color with a white eye. Blooms 2½ inches across. The result of ten years of careful selection. Pkt., 25c.

7564 **Blackmore and Langdon Strain**. All the clear shades of blue with many opaline variations, with bees of contrasting colors. Pkt., 50c. Plants, 3 for \$1.25; doz., \$4.00; 100, \$25.00.

7547 **Cardinale**. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.

7535 **Elatum Hybridum. Single Mixed**. 3 to 4 ft. June-August. Pkt., 10c.

7539 **—Iceberg**. A giant white, sturdy 4 ft. spikes of large flowers, beautiful contrast to blues. Pkt., 35c.

7540 **—Double Mixed**. 3 ft. Pkt., 15c.

7545 **Formosum**. 3 ft. June-July. Deep blue, white eye, open spike. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7566 **Hoodacres White**. A splendid selection from a well-known strain. Pkt., 50c.

7555 **Indigo (True Blue)**. 3 ft. Pure indigo-blue, comes true from seed. 35c.

7560 **Nudicaule**. 1-1½ ft. April-July. Dwarf brilliant scarlet flowers. Seed very slow of germination. Pkt., 25c.

7561 **—Lemon Gem**. Clear yellow self. Pkt., 25c.

7541 **Summer Cloud**. The flowers are pure white and come true from seed. Pkt., 50 seeds, 25c.

7565 **Zalil**. 3 ft. Sulphur yellow. Seed germinates very slowly. Pkt., 25c.

7569 **Wrexham Hollyhock-Flowered Strain Mixed**. New giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, many of them 1½ to 2 inches in diameter. Named "Hollyhock" for the height and immense blooms characteristic of this variety. A fair proportion are double and the coloring is superb. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.

7569D **Wrexham Art Shades**. Includes many pastel shades.

7569B **—Light Blue Shades**.

7569C **—Mid-Blue Shades**.

7569A **—Deep Blue Shades**.

Price, each of above, pkt., 50c.

7570 **Vaughan's Gold Medal Hybrids**. This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

EUPATORIUM (Thorough Wort)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Plant these vigorous, thrifty flowers in the border, or in woodland. They like light shade. **Coelestinum** is one of finest fall perennials, its pale lavender furnishing an excellent foil for autumn yellows.

Coelestinum. (Hardy Ageratum). 2 ft. Sept.-Oct. One of the few outstanding fall perennials. Grows into large bushes with abundant lavender flower heads like ageratum. Excellent cut flower. Plants, 3 for 85c; doz., \$2.50.

7800 **Fraseri**. 2 ft. Pure white ageratum-like flowers; does well in shade. Pkt., 10c.

EUPHORBIA

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7807 **Corollata (Flowering Spurge)**. June-July. Small white flowers not unlike *Gypsophila Elegans*. Pkt., 15c.

7808 **×Myrsinites**. 3 in. June-July. Distinct grey trailer, large heads of yellow flowers. Pkt., 25c.

7806 **×Polychroma**. 18 in. June and July. Bright yellow flowers changing to rosy-bronze. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

HARDY PAMPAS GRASS

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7858A **Erianthus Ravennae**. 5 to 7 ft. Producing from 30 to 50 flower-spikes. Resembles tender Pampas Grass. Pkt., 15c.

Hardy Pinks (Dianthus)



7625 **DIANTHUS** Plumarius Vaughan's Special. Pkt., 25c. Plants, 3 for 65c.

Culture: B (Feb. to July 15th), D or E (Feb.-April) In the rocky and in the border the Dianthus family is of value. Both flowers and grayish-green foliage are decorative, the former ranging from the tiny single blossoms of the deltoides type to large double carnations. Most of them grow easily from seed, thrive in ordinary soil and are perfectly hardy.

7576 × Allwoodi Alpinus. Perennial Dianthus flowering the first year from seed. It is only four to six inches high, has single and semi-double flowers and contains all the Dianthus colors. Is a perfect gem for the rock garden. Pkt., 50c. Plants, 3 for \$1.00; doz., \$3.50.

7575 Allwoodi Mixed. The flowers are about 75 per cent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., (25 seeds) 40c. Plants, 3 for \$1.00; doz., \$3.50.

7579 × Arenarius (Sand Pink). 6 in. Flowers white, fringed. Pkt., 25c.

7578 × Atrococcineus (Everblooming Sweet William) Cruentus. 15-18 in. Crimson, semi to full double flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7587 Best Rock Garden Varieties, Mixed. Rock gardens now so popular need these low growing Dianthus to brighten spots and fill in crevices with their attractive flowers. Pkt., 25c.

7580 × Caesius (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7582 × Deltoides Brilliant (Maiden Pink). 8 in. Delicate pink blossom carried above fine, feathery foliage. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7588 —Major Stem. A new form with bright crimson flowers and dark foliage, free flowering. 35c.

7583 × Graniticus. 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. Pkt., 25c.

7592 Winteri. Striking new Pinks awarded First-Class Certificate by R. H. S. The flowers are of bold form, pure colors, habit compact and flowers first year from seed, deliciously scented. Pkt., 50c.

CLOVE OR GRASS PINKS (Plumarius)

Plumarius are the old-fashioned, fragrant Garden Pinks. Fine for perennial border or rockwork.

7591 × Albus Plenus. Double white. Pkt., 25c.

7590 × Cyclops (Clove Pink). 1 ft. An exquisite mixture of colors; fragrant. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7620 × Double Mixed. Fine for cutting. Pkt., 10c.

7584 Highland Queen. The most brilliant perennial Dianthus in cultivation, bearing in profusion flowers of a lustrous scarlet-vermilion color. It is extremely hardy, of vigorous growth, continuing in bloom from May until November. Pkt., 35c.

7585 Highland Rose Hybrids. Clear rose with deeper zone of various shades of red. Pkt., 35c.

PLUMARIUS—Cont'd.

7605 × Nanus Fl. Pl. 1 ft. Double dwarf mixed Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7609 × Spring Beauty. Double giant-flowered grass pinks carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

7615 × Single Mixed. Delicately fringed. Pkt., 10c.

7625 × Vaughan's Special Mixture. A grand selection of clove pinks of the above Plumarius type and others. Pkt., 25c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

Gaillardias

Culture: A (Mar.-July), B (Feb. to July 15th), D or E (Mar.-July)

One of the few perennials that flower continuously from June to October, the value of the Gaillardia is being constantly increased by improvements in the size and coloring of its flowers. It grows easily from seed and will flower the first year. It is perfectly hardy and will grow well in ordinary soil making a bushy plant with graceful stems 2 feet high.

7810 Grandiflora, Mixed. Composite flowers variegated with shades of red and yellow. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7813 —Bremen. 2 ft. Splendid new coppery scarlet, yellow tips. Blooms all summer. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.



7812 **GAILLARDIA** Burgundy. Pkt., 25c.

7812 —Burgundy. Shining wine-red flowers about 2½ in. in diameter, on long stiff stems, from June until Fall. Blooms from seed the same year, if sown early; comes 60% to 70% true. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7811 —Dazzler. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7836 —Portola Hybrids. 2½-3 ft. The stems are strong and stiff. The flowers are nearly 4 inches; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Pkt., 25c.

—Sun God. 2 ft. New chamois yellow, flowers all summer. Neat, upright growth. Plants, 3 for \$1.50; doz., \$5.00.

7831 —Tangerine. Compact grower. Large tangerine orange colored flowers. Pkt., 25c.

7816 —Torchlight. 2 to 2½ ft. It has a neat and compact habit. The flowers are golden yellow with maroon center, often 5 in. Pkt., 25c.

7835 —New Hybrids. Very large flowers, in a great variety of colors. Pkt., 25c.

GERBERA (Transvaal Daisy)

Culture: D, E (Jan.-April)

7846 Jamesoni Hybrids. 2 ft. A valuable acquisition for garden enthusiasts and requires some care to grow to best advantage. Large daisy-like blooms on long stems in shades of yellow and red. Seed should be sown singly, point up, cover slightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location, protect in summer in the open from rain. Needs protection over winter. Pkt. (25 seeds), 25c. Plants, 3 for \$1.50; doz., \$5.00.



DIANTHUS Crimson King, all summer bloomer, bright crimson. Plants, each, 35c; 3 for 85c; doz., \$2.50.

DOUBLE TYPES OF

Hardy Carnations

Beatrix. 16 in. A new and improved variety of every-blooming habit. Has large, double, pale salmon pink blooms, very fragrant and giving an abundance of bloom all summer. Makes a fine border or rock plant. Plants, 3 for \$1.00; doz., \$3.50.

Crimson King. 2 ft. Probably the finest of the Hybrid Types closely resembling a carnation in size and habit of growth. Large fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until heavy frost. Blooms are very double, often 2 inches diameter and possess the true carnation fragrance. Plants, each, 35c; 3 for 85c; doz., \$2.50.

Fuerst Bismarck. Similar in habit of growth to Beatrix but beautiful double deep rose blooms. Fragrant and blooms all summer. Plants, 3 for \$1.00; doz., \$3.50.

7840 × GENTIANA Acaulis. 4 in. Blue. Pkt., 20c.

7857 × GLOBULARIA Trichosantha. 12 inches. Blue. Pkt., 20c. Plants, 3 for 85c.

7870 HEDYSARUM Coronarium. Red. Pkt., 10c.

HESPERIS MATRONALIS

(Sweet Rocket—Evening Scented Stock)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

The fragrant flower heads of these thrifty flowers, somewhat resembling perennial phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 Purpurea. Purple. ½ oz., 30c; pkt., 10c.

7935 —Alba. White. Pkt., 10c.

7936 —Mixed. Pkt., 10c.

HELENIUM (Sneezewort)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

To register masses of color in the border background, the Heleniums and other members of the Sunflower family are most useful. They grow easily from seed, and spread rapidly. Autumn flowering varieties are especially valued for contributing autumn color.

7876 Autumnale Hybridum Praecox. 3 ft. Remarkable early-blooming hybrids in bronze and crimson-brown. July-Sept. Pkt., 25c.

7885 Hoopesii. 1-3 ft. June. Rich orange-yellow with slightly drooping rays. Pkt., 10c.

7890 Riverton Gem. 2 to 4 ft. Covered from August to October with brilliant old gold changing later to wallflower-red. Pkt., 25c.

7895 Riverton Beauty. 4-5 ft. Rich lemon-yellow with a large purplish cone. Aug.-Sept. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8060 HYACINTHUS Candicans. 3 ft. White. Pkt., 15c.



7852 **GEUM Lady Stratheden.**
Pkt., 35c. Plants, 3 for 85c.



7855 **GEUM Mrs. Bradshaw.**
Pkt., 25c. Plants, 3 for 85c.



HOSTA Subcordata Grandiflora.
Plants, 3 for \$1.00.



8090 **IRIS Kaempferi.**
Pkt., 25c.

GEUM

Culture: B (Feb. to July 15th), C (Oct.-Mar.), D or E (Mar.-July)

Geums belong to the Rose family. The species described are showy, free-flowering kinds producing a wealth of attractive flowers which are much prized for cutting. They are of a tufted habit of growth with pinnate leaves. Excellent for border culture. To avoid wilting after cutting put stems in warm water.

7851 **×Boresi.** 16 in. June-Oct. Single deep orange flowers on bushy plants, grey-green leaves. Pkt. 25c.

7850 **Coccineum Atrosanguineum Plenum.** 1½ ft. May-July. Double, bright scarlet. Pkt., 15c.

7852 **Lady Stratheden (Golden Ball).** Flowers loosely double; a delightful shade of golden yellow. Pkt., 35c. Plants, 3 for 85c; doz., \$2.50.

7855 **×Mrs. Bradshaw.** 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7853 **Orange Queen.** Flowers large and semi-double, of a beautiful orange scarlet. Valuable for cutting. Pkt., 10c.

×**Fire Opal.** 2 ft. Newly introduced to American gardens and a fine acquisition. Dazzling rich scarlet flowers with orange sheen, often 3 inches diameter. Blooms from late May till frost and is hardy over winter. Plants, each 50c; 3 for \$1.25; doz., \$4.00.

HELIOPSIS (Orange Sunflower)

Culture: A or B (Mar.-July), D or E (April-May)
A very brilliant border plant, resembling a double sunflower; an excellent cut flower.

7910 **Pitcheriana.** 3 to 4 ft. high. Golden yellow flowers. 2 inches in diameter; blooms all summer. Pkt., 10c.

7915 **—Zinniaeflora Plena.** 3 ft. July-August. Bushy, semi-double yellow flowers. Pkt., 15c.

7916 **Soleil d'Or (Golden Sun).** Free flowering useful for display or cutting. Pkt., 20c.



GYPSOPHILA Paniculata, Bristol Fairy.
Plants, each 65c.

HOSTA (Funkia or Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes, 1½-2 ft. July-Aug. Effective in front of shrubbery under trees, or any shady position.

Cordata Aurea Variegata. 1 ft. Choice new variety. August. Lavender-blue. Large golden variegated leaves. Plants, 3 for 85c; doz., \$2.50.

Coerulea (Lanceolata). 1 ft. Dark blue. Plants, 3 for 85c; doz., \$2.50.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. Plants, 3 for \$1.00; doz., \$3.50.

Variegata. Good edging plant. Leaves white and green. Plants, 3 for \$1.00; doz., \$3.50.

GYPSOPHILA

Culture: A or B (Feb. to July 15th), D or E (Mar.-July)

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets. Dried flowers can be made to look again like fresh ones, by wrapping the dried blooms in a moist towel half a day in a cool place.

7864 **Acutifolia.** 3 ft. Pretty, useful species, flowers pale pink. Pkt., 15c.

×**Bodgeri (New).** 2 ft. Blooms all summer. Introduced in 1935 as a rock garden type, this new double Baby's Breath is finding much favor as a border perennial. Blooms very double like Bristol Fairy and large enough for cut flowers. If the flowers are cut regularly it blooms until frost. Plants, each 50c; 3 for \$1.25; doz., \$4.00.

7866 **Oldhamiana.** 3 ft. A new pink variety. Fragrant pink flowers. ¼-inch diameter. Seeds, pkt., 25c; Plants, 3 for \$1.00; doz. \$3.50.

7860 **Paniculata Double Snow White.** A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. 2-3 ft. July-August. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division. Pkt., 25c.

7865 **—(Baby's Breath).** 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

—Bristol Fairy (Double Baby's Breath). Early double pure white large flowering perennial Baby's Breath. It is a new form, blooming much earlier than paniculata fl. pl. and producing a second crop of spikes after the first have been cut. Plants, 65c each; 3 for \$1.50; doz., \$5.00.

7867 **Pacifica.** 4 ft. Withstands both severe winter and extreme heat and dryness. The seedlings form dense bushes with myriads of tiny pink blossoms on the slender spreading panicles. Later than Paniculata. Good for cutting. Pkt., 25c. Plants, 3 for 65c; doz., \$2.

Rosenschleier. (Rosy Veil) 2 ft. New double pink of great beauty giving two crops of bloom. Plants, 3 for \$1.50; doz., \$5.00.

7862 **×Repens.** Dwarf white Baby's Breath. Splendid in rockery. 15c. Plants, 3 for 65c; doz., \$2.00.

7863 **×—Rosea.** 6 in. Attractive dwarf pink or rose variety. Pkt., 15c.

HELLEBORUS (Christmas Rose)

Culture: B (Feb. to July 15th), C (Oct.-March)

7920 **Niger.** 1 ft. White flower appearing very late in season. Plant in rich loam and coarse sand with top-dressing of rotten manure. When once established do not disturb. Pkt., 25c. Plants, 3 year, 90c each; 3 for \$2.50.

Grow Iris From Seed

Culture: A or B (Mar.-July), C (Oct.-March)

8090 **Kaempferi (Japanese Iris).** Japanese irises grow easily from seed sown either in the spring or fall. Flowering plants are often produced the first year. They will thrive in well drained soil, but require plenty of water in the flowering season. Pool margins are a good location. Pkt., 25c.

8092 **Siberian.** 2 ft. June. Lovely, hardy, late iris, fine for the border and for cut flowers. Pkt., 10c.

For Iris plants see page 94.

7906 **×HELIANTHEMUM Mutabile (Rock Rose).** 8-12 in. July-Aug.. Mixed colors. Pkt., 10c.

HELIANTHUS (Hardy Sunflower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Hardy, perennial sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting.

7899 **Angustifolius (Autumn Glory).** 5 to 7 ft. The great massing branches are a sheet of solid bloom of the clearest and richest golden yellow. Flowers are like great daisies flecked with gold. Blooms after frost has killed everything else. Pkt., 15c.

7900 **Maximilianii.** Aug.-Oct. 2-4 ft. Small and graceful flowers of deep yellow. Pkt., 25c.

Multiflorus Plenus. 3 to 4 ft. Aug.-Sept. Large double golden yellow flowers resembling a dahlia or a large chrysanthemum. Good for massing, for background effect and for cut flowers. Plants, 3 for \$1.00; doz., \$3.50.

7905 **Perennial Varieties, Mixed.** Pkt., 15c.



HELIANTHUS Multiflorus Plenus.
Plants, 3 for \$1.00.

New Giant Hemerocallis

Development of tall, large flowered varieties blossoming in midsummer has made this family one of the dominant border plants. It is among the thriftiest of flowers, growing in any well drained soil. From six to twelve lily-like flowers, many of them fragrant, open in succession on every stem. Both tall and dwarf varieties are delightful. Plants only.

New Hemerocallis Hybrids

Hybridizers like Dr. Stout, B. H. Farr, C. Betscher, Amos Perry, George Yeld and others, have created wonderful new Hemerocallis of rare beauty, rich coloring and extreme hardness.

Bay State. 4 ft. Late June. C. Betscher. Brilliant and glistening deep yellow flowers, free blooming and robust in growth. Each, \$1.00.

Calypso. 3 ft. A choice variety introduced by Burbank. Large pale lemon-yellow flowers, slightly ruffled. Blooms over a long period in July and is much admired. Plants, 3 for \$1.50; doz., \$5.00.

Cinnabar. 2½ ft. July-August. Dr. Stout. Large blooms of unique shading in brownish red, gold, cadmium yellow and fulvous red. A combination of shading both unique and rare. Each, \$3.00.

Gypsy. 3 ft. July. C. Betscher. Brilliant deep orange flowers. Slender stems and plants of medium size. Each, \$1.00.

J. A. Crawford. 4 ft. Late June. C. Betscher. Rich apricot-yellow shaded light cadmium. A lovely plant with many flowers which looks well in light shade. Each, \$1.00.

Lemona. 4½ ft. Early July. C. Betscher. Delicate and pale lemon-yellow flowers. One of the finest, large blooms much like a large Japanese Iris in form. Each, \$1.00.

Mrs. W. H. Wyman. 4 ft. Early August. C. Betscher. Lovely light pale lemon-yellow flowers. Very free-flowering and last a long time. Ea., \$1.00.

Ophir. 4 ft. July. Early Aug. B. H. Farr. Giant golden yellow blooms, many to a stem. Rated by all authorities as one of the finest hybrids. Ea., \$1.

Sir Michael Foster. 4 ft. June-July. This is a hybrid from Aurantica Major and Citrina and bears the largest flowers of all hemerocallis. Blooms are veritable starry trumpets of clear yellow, very fragrant. Each, \$1.00.

The Gem. 3½ to 4 ft. Middle of June. Rich; deep orange-yellow flowers. Very finely formed bloom, equal to the best Lilies; truly a gem. Each, \$1.00.

Vesta. 2½ ft. July. Dr. Stout. Deep orange flowers with a glistening gold sheen. Large flowers and semi dwarf growth, make this variety one of the finest. Each, \$3.00.

Wau-Bun. 3 ft. June-July. Dr. Stout. Large flowers of light cadmium-yellow, slightly sprinkled fulvous red, abundantly gold-glistening. Petals large and broad, with ends slightly twisted, a pleasing characteristic found in no other Day-lily. Each, \$3.00.

Other Hemerocallis

Aureole. 3 ft. May-June. Deep orange-yellow with bronze reverse.

Dr. Regal. 1½ ft. Rich orange-yellow. May and June.

Flava. 3 ft. June. Clear yellow, very fragrant.

Florham. 3 ft. Like Flava but blooms a month later.

Fulva Kwanso Fl. Pl. 3 ft. July-August. Orange shaded crimson, double.

Sovereign. 2 ft. May-June. Soft chrome-yellow shaded brown on the outside, fragrant.

Thunbergi. 3 ft. July. Fragrant golden yellow. Plants, any of above, 3 for 65c; doz., \$2.00.

Hemerocallis Collection No. 77

One each of the 7 varieties above for \$1.40.



HEMEROCALLIS

8088 X INULA Ensifolia. 9 in. July-Sept. Yellow aster-like flowers. Pkt., 25c.

8089—Royleana. Rich orange flowers. 5-6 in. across, dwarf habit. Pkt., 25c.

HEUCHERA (Coralbells)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
From a tuft of heart shaped leaves, graceful flower stalks rise bearing flowers in clusters. Beautiful both in border and rockery.

7941 X Brizoides Gracillima. May-June. Bright, flesh-pink. 2 ft. Pkt., 25c. Plants, 3 for \$1.00.

Pluie de Feu. 2 ft. June-Aug. Deepest coral red flowers on long stems. Plants, 3 for \$1.25; doz., \$4.00.

7940 Sanguinea. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

7943 —New Hybrids. All shades of red and coral pink. This is a mixture which is highly spoken of because of its fine coloring, large flowers and free flowering of the plants. Pkt., 35c. Plants, 3 for \$1.00.

Newest Hollyhocks

Culture: B (Feb. to July 15th), D or E (Mar.-July)

There is no flower more decorative. Following delphiniums in the border show, it has a long season of bloom which can be prolonged by picking off faded flowers; and a second crop will come if the first stalks are cut back. Improved strains have exquisite coloring, both in single and double types.

Double Varieties

8000 Blood-Red.	7980 Rose.
7971 Colorado Sunset.	7990 Salmon.
7995 Crimson.	7970 White.
7975 Maroon.	7992 Yellow.

Price, each of above, pkt., 10c.

Plants, of double Hollyhocks in the above colors. 3 for 85c; doz., \$2.50; 100, \$15.00.

8004 Lilac Beauty. A clear bright lilac color. Pkt., 15c.



8015 HOLLYHOCKS Vaughan's Prize Double Mixture. Pkt., 10c. Plants, 3 for 85c.

8005 Newport Pink. The finest pure pink, exquisite shade. Pkt., 15c.

8003 Queen of Sheba. Beautiful primrose, buff with rosy reflection. Pkt., 15c.

8015 Vaughan's Prize Double Mixture. Finest shades in perfect flowers. Pkt., 10c; ¼ oz., 40c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8006 Alameda Pink. The foliage is deep green and thick and large and is quite distinct from other varieties of hollyhock. The blossoms are 4½ inches across. Blooms first year if sown early. Pkt., 25c.

8010 Allegheny Mixed. Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed. Pkt., 10c.

7991 Fringed Mixed. Grows 4-5 ft. high and is of branching habit, all the stems being studded by prettily waved and fringed flowers which appear in an entirely new range of color. Pkt., 25c.

Single Varieties

More permanent and hardy than the double and if planted with a deep green background of shrubby or evergreens they afford a most striking effect.

8030 Black.	8050 Salmon.
8025 Pink.	8045 White.
8020 Red.	8051 Yellow.
8040 Rose.	8055 Mixed. ¼ oz., 30c.

Price, each of above, pkt., 10c; any 3 for 25c.

HIBISCUS (Rose Mallow) 3 to 5 Feet

Culture: B (Feb. to July 15th), D or E (Mar.-July)

In the late summer, when perennials are few, well established plants of mallow bear their beautiful single flowers, 3 to 5 inches several weeks. Aug.-Sept.

7945 Crimson Eye. Creamy white flowers, large crimson center. Pkt., 10c. Plants, 3 for 85c.

7950 Golden Bowl. Deep cream, with a velvety maroon center. Pkt., 10c.

7960 Mallow Marvels, Mixed. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7965 —Red. Pkt., 15c. Plants, 3 for 85c.

7966 —Pink. Pkt., 15c. Plants, 3 for 85c.



7943 HEUCHERA Sanguinea Hybrida. Pkt., 35c.



8150 LUNARIA (Honesty). Pkt., 10c.

8190 LYCHNIS Chalcidonica.
Pkt., 10c. Plants, 3 for 85c.8179 LUPINUS Polyphyllus Vaughan's Special
Mixture. Pkt., 25c.**LUNARIA**

Culture: B (Aug.-Sept.), D or E (March-July)

- 8150 **Biennis Annua** (Honesty or St. Peter's Penny). Flowers purple, followed by silvery seed pods, prized for winter bouquets. Annual but readily self-sows. Pkt., 10c.
- 8155 **—Alba**. Pure white. Pkt., 10.

IBERIS (Perennial Candytuft)Culture: A or B (Mar.-July), D or E (Mar.-July)
Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

- 8075 **×Gibraltarica**. Pinkish-white. Pkt., 10c.
- Jucunda**. See *Aethionema Cordifolium*.
- 8080 **×Sempervirens**. Sheet of white. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.
- 8081 **Tenoreana**. 9 in. White, aging purple. Pkt., 10c.

INCARVILLEA (Hardy Gloxinia)

Culture: B (Feb. to July 15th), C (Oct.-March)

Large rich rose Bignonia-like flowers with deep yellow throats, produced all through the summer. A hardy perennial which succeeds well in borders and is equally valuable for greenhouse decoration.

- 8084 **Bee's Pink**. 1½ ft. Large light rose. Pkt., 50c.
- 8085 **Delavayi**. 2 ft. June. Splendid gloxinia-like flowers. Germinates slowly. Pkt., 25c.
- 8086 **Grandiflora**. 1 ft. A Chinese species. Carmine flowers. May and June. 25c.
- 8087 **Grandiflora Brevipes**. 2 ft. Large flowers, bright deep rose. Very handsome. Pkt., 25c.

- 8094 **ISATIS Glauca**. 3 ft. Yellow. Pkt., 10c.

Grow Lilies from Seed

See Illustration on Inside Back Cover.

Many lilies are easily grown from seed; and seedling lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for lily seed, if requested. You will find it fascinating.

- 8156 **Auratum (Gold-Banded)**. Flowers white, dotted crimson, with a clear golden band running through center of each petal; fragrant. Pkt., 15c.
- 8156A **Auratum Platyphyllum**. The flowers are similar in color to Auratum, heavily spotted, but are much larger, of greater substance. Pkt., 15c.
- 8160 **Backhouse Hybrids**. Growing 5-6 feet high. Flowers come in purple, straw-yellow, orange, buff and many lovely combinations with contrasting marbled or dotted effect. Pkt., (25 seeds) 40c.
- 8156B **Cernum**. The lilac Tenuifolium. Sturdy, hardy, of easy culture and rare beauty. Nodding, recurved petals, on stems 2½ to 4 ft. Pkt., 25c.
- 8156C **Concolor**. Especially adapted to rockeries. Flowers upright, starlike, deep vermilion. July. 6 to 18 inches. Perfectly hardy. Pkt., 25c.
- 8161 **Formosanum Pure White**. (Dream Lily). 2 ft. It bears on slender leafy stem many long white trumpet shaped flowers slightly marked externally, reddish brown with reflexing petals. Blooms from seed the first year if sown early. Pkt. (250 seeds) 35c.

LYCHNIS

Culture: B (Feb. to July 15th), D or E (Mar.-July)

A fine old-fashioned flower, bearing large heads of brilliantly colored flowers, that live up the border during Summer and early Autumn.

- 8200 **×Alpina**. 4 in. April. Close tufts, olive green foliage. Clusters of rose flowers. Pkt., 20c.
- 8189 **Arkwrightii**. 2 to 3 ft. English hybrids which bear their clusters of brilliant flowers on long stiff stems. The colors vary from salmon rose through pink and red to flaming scarlet and dark carmine. Pkt., 25c.
- 8190 **Chalcidonica (Maltese Cross)**. 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a maltese cross. Will bloom from seed the first year. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8196 **—Salmon Queen**. 3 ft. Salmon pink. 15c.
- 8210 **×Haageana Hybrids**. 1 ft. June-July. Mixed. Ranging from nearly white to scarlet. Pkt., 10c.
- 8215 **×Viscaria Splendens**. 1½ ft. Makes large clumps of almost evergreen foliage. Its flowers are bright rose; useful for cut flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

LAVENDER (Lavendula)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Delightfully fragrant flowers, much used when dry on account of their sweet odor. Prefers warm, dry soil. Favorite for centuries.

- 8117 **×—Munstead Strain**. 1 ft. A most valuable variety producing large sweet scented flowers in abundance. A month earlier than the common Lavender. Pkt., 25c.
- 8116 **Vera (True Lavender)**. 2 ft. June-Aug. Blue. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

LUPINUS (Polyphyllus)

Culture: A or B (Mar.-July), D or E (Mar.-April)

In a sandy or light woods soil, slightly acid, where water can be supplied, the lupins will thrive. Their tall spikes of bloom present a delightful variety of color blending from June to September.

- 8170 **Albus**. Large, pure white spikes. Pkt., 10c.
- 8165 **Blue**. Stately spikes of blue. Pkt., 10c.
- 8166 **Chocolate Soldier**. Yellow to chocolate. Pkt., 15c.
- 8168 **C. M. Prichard**. Pale salmon-orange with yellow. Pkt., 15c.
- 8174 **Downer's Hybrids**. Perpetual flowering new hybrids. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
- 8173 **Harkness' Regal Mixture**. A mixture of charming new colors, in which rose, buff, flesh and salmon shades predominate. Pkt., 25c.
- 8176 **Lavender Queen**. Lavender tinted pink blossoms. Pkt., 25c.
- 8169 **Luteus**. Yellow shades. Pkt., 15c.
- 8177 **Princess Juliana**. Pink. Pkt., 25c.
- 8175 **Roseus**. 4 ft. Light and dark rose flowers on long stems. Pkt. 15c.
- 8178 **Sunshine**. Yellow. Pkt., 25c.
- 8179 **Vaughan's Special Mixture**. This is a choice mixture of the best English and other European strains including recent novelties. Pkt., 25c.
- 8180 **Mixed**. Splendid value. Pkt., 10c.

- LYSIMACHIA Clethroides**. 2 feet. Long recurved spikes of white flowers. June to Sept. Plants 3 for 85c; doz., \$2.50.

LATHYRUS LATIFOLIUS (Hardy Pea)

Culture: B (Feb. to July 15th), C (Oct.-March), D or E (Mar.-July)

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer, if seed pods are removed.

- 8100 **Pink Beauty**. Pale pink variety.
- 8105 **Rubra**. Bright rosy crimson.
- 8110 **White Pearl**. Large white.
- 8115 **Mixed**. The above colors.
- Price, each of the above, pkt., 10c. Plants, Pink, Red or White, 3 for 85c; doz., \$2.50.

LINARIA (Toad Flax)

Culture: A or B (Mar.-July), D or E (Mar.-July)

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

- 8122 **×Alpina**. 6 in. Blue. July and Aug. Pkt., 25c.
- 8119A **Canon Went**. 2½ ft. Pink. Pkt., 25c.
- 8120 **×Cymbalaria (Kenilworth Ivy)**. 3 in. Dainty lilac and orange, trailing habit. Pkt., 10c.
- 8121 **×Dalmatica Macedonica**. Large flower spikes like snapdragon, bright yellow. Pkt., 25c.

LOBELIA

Culture: B (Feb. to July 15th), C (Oct.-March), D or E (Mar.-July)

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

- 8145 **Cardinalis (Cardinal Flower)**. 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

Perennial Poppies

Culture: B (Feb. to July 15th), D or E (Mar.-July)
All poppies grow easily from seed, the nudicaule type flowering the first year. Orientals will not come true from seed, but excellent plants are produced.

8269 X Alpine Mixed. 6 in. A charming miniature poppy with brilliantly colored flowers including white, pink, apricot, yellow or orange-scarlet, etc. Excellent for rockwork. Pkt., 35c.

8315A Pilosum. 2 ft. Apricot-orange. One of the easiest perennials to grow. Seed sown in August will bloom in Spring. A stunning combination planted with Tulips. Pkt., 15c.

ORIENTALE (Oriental Poppy) 3 ft. May-June
These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. They are beautiful with the tall bearded Iris.

8307 Beauty of Livermere. Dark ox-blood. 25c.

8311 Carneum. Light and dark salmon pink shades (70% true). Pkt., 25c.

8308 Mahoney. Maroon, shaded crimson. Pkt., 15c.

8309 Mrs. Perry. Delicate salmon-rose with black blotches. Pkt., 25c.

8306 Perry's White. 2½ ft. Large, handsome, satiny white flowers with purple-black blotch at base of each petal. Pkt., 25c.

8305 Princess Victoria Louise. Large flowers, soft lilac-rose color. Pkt., 15c.

8310 Red. Very striking color. Pkt., 10c.

8312 The Feltham. A strain lacking the usual black blotches at base of petals. It has scarlet, orange-scarlet, apricot, etc. Pkt., 25c.

8315 Hybrids Mixed. Pkt., 15c.

PLANTS OF ORIENTAL POPPIES

Beauty of Livermere. 3 ft. Crimson with dark blotch, stout erect stems. A sturdy poppy of brilliant color. Plants, 50c; 3 for \$1.25; doz., \$4.00.

Jeannie Mawson. 2½ ft. Charming geranium pink, large flowers on stiff stems. One of the outstanding pink poppies. Plants, 50c; 3 for \$1.25; doz., \$4.00.

Joyce. 4 ft. A tall cherry red poppy of medium size to glorify the spring border. Plants, 50c; 3 for \$1.25; doz., \$4.00.

Mrs. Perry. The best known pink poppy. Delicate salmon-rose with black blotches. Plants, 35c; 3 for \$1.00; doz., \$3.50.

Olympia. Double rich scarlet. A striking introduction. Very free blooming, flowers come ten days before Royal Scarlet and other varieties. Plants, 65c; 3 for \$1.50; doz., \$5.00.

Royal Scarlet. Old fashioned scarlet Oriental Poppy. Plants, 30c; 3 for 85c; doz., \$2.50.

LIATRIS (Kansas Gay Feather)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
It grows in long spikes 4 to 5 feet tall and densely covered with slender grass-like leaves of a light green. The small flowers are light rosy-purple; a peculiar habit of the Liatris is that the succession of bloom is from the top downward rather than from the lowest blooms up to the highest.

8118A Pycnostachya. 4 to 5 ft. One of the choicest and boldest species. Flowers purple in dense spikes, which bloom a long time. Excellent for the border. July-Aug. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8118 Spicata (Button Snakeroot). 2 to 3 feet. Purple flowers. July-Sept. Pkt., 10c.

8119 Scariosa. Rare North American species. Crowded spikes of rosy purple flowers. Pkt., 15c.

LINUM (Flax)

Culture: C (April-July), Set out Aug.-Oct.
Flax is a lovely, airy plant. The general height is from 12 to 18 inches. The foliage and flowers are very delicate and graceful and present the appearance of a small feathery bush. The flowers are borne in great numbers from May through Sept.

8126 X Alpinum. 4 in. Purple, blotched orange. Pkt., 25c.

8140 Flavum. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8141 —Compactum Nanum. This dwarf flax, a glowing golden yellow is attractive in rock gardens and borders. It blooms for months and if cut back gives a fall crop. Pkt., 25c.

8124 Narbonense. Forms a spreading clump of attractive foliage with a profusion of azure-blue flowers with white eye. Pkt., 25c.

8125 Perenne Blue. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms short lived but are produced continuously in such profusion it creates the effect of blue sheen over the plant. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8135 —Mixed Blue and White. Pkt., 10c.

8220 LYTHRUM Roseum Superbum. 4 ft. 10c.

MALLOW MARVELS. See Hibiscus.

ICELAND or Nudicaule

The bright colored flowers are borne on stems which rise to a foot above a tuft of fern-like leaves. Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off they blossom all summer, and they usually bloom the first year from seed. 12 inches.

8275 X Yellow. **8271 X Flesh.**

8282 X White. **8270 X Mixed.**

8280 X Orange.

Price, each of above Nudicaule varieties; pkt., 10c.

8289 X Coonara Pinks. Lovely flowers, pink, salmon pink and salmon shades. Pkt., 15c.

8290 X Double Mixed. Extra fine strain. Pkt., 15c.

8276 El Monte. Deep tangerine orange flowers on long wiry stems. Fine for cutting. Pkt., 15c.

8288 X Gibson's New Giant Orange. Pkt., 20c.

8286 X Sunbeams Mixed. This is a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, maize and other tints. Pkt., 25c.

8283 —Deep Yellow. A large flowered and strong-growing strain, 15 to 18 inches. Pkt., 15c.

8284 —Orange. Pkt., 15c.

8285 —White. Pkt., 15c.

8277 Gartref. Large flowers in choice art shades, all edged in a contrasting tone. Pkt., 25c.

8278 Sandford's Giant Strain. Immense flowers and very strong long stems, in a beautiful color range. Pkt., 20c.

8279 Vaughan's Special Iceland Poppy Mixture. We have included in this all the newer varieties including the Gartref offered above and all the Sunbeams and older forms. It will add color to the perennial border. Pkt., 25c.

8293 Emperor. 18-22 in. Finest giant orange variety, of distinct new form, with broad overlapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed and is excellent for the garden or for cut flowers. Pkt., 25c.

8292 Empress. 18-22 in. A companion to Emperor, even more nearly double, with unique color range of salmon rose and pink tones, new to the race. Pkt., 25c.

MATRICARIA (Feverfew)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

3205 Capensis Fl. Pl. The true double flowered hardy white Feverfew. Marguerite-like foliage. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

3206 Capensis Improved. Select flat petaled type. Pkt., 35c.

Hardy Forget-me-not

MYOSOTIS 4 to 9 in.

Culture: C (April-July), Set out Aug.-Oct.

Lovely dwarf plant for damp places, spreading rapidly and covering the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. We list the seeds of Alpestris varieties among annuals.

8251 Blue Bird. A beautiful winter-flowering deep blue variety. Pkt., 25c.

8230 Dissitiflora. Rich blue, early and compact. One of the best. Pkt., 15c.

8240 X Palustris Semperflorens. Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8250 Ruth Fisher. It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over dark green foliage. Pkt., 25c.

8252 Star of Love. A charming dwarf compact variety, literally covered with large bright blue flowers. Dark green foliage. Height 5 in. Pkt., 25c.

8245 Vaughan's Early and Late-Flowering. The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Pkt., 10c.



8292 ICELAND Poppy Empress. Pkt., 25c.

MONARDA (Bergamot or Bee Balm)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

8227 Cambridge Scarlet. Brightest glowing scarlet. July-August. Pkt., 25c.

Didyma. 3 ft. June-Sept. Brilliant scarlet. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8226 Hybrida. Mixed. Pkt., 15c.

NEPETA (Mauve Catnip)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Neat bushes covered with lavender-blue flowers, both foliage and flowers aromatic.

8254 X Mussini. 1 ft. May-Sept. Light blue. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8253 Nervosa. May-Sept. The flowers are of a clear light blue, brighter than Mussini. Pkt., 25c.

8254A Souvenir Andre Chaudron. 1 ft. Upright habit, dark blue, freely produced. Pkt., 25c.

8259 Native Wild Flower Mixture.

Seeds of more than 100 different species, carefully collected in the field, are included. Most are American, and all are collected in the temperate zone. There are few annuals, the rest hardy perennials. For sowing in woodlands, naturalistic borders, and wild flower gardens. ¼ oz., 50c. Pkt., 25c

PHYSALIS FRANCHETTI

8345 Chinese Lantern Plant. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00.

PHYSOSTEGIA (False Dragon Head)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Spikes of flowers resembling tiny snapdragons rise above attractive foliage. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage. Blooms Aug.-Sept.

8350 Virginica. Dense bushes with spikes of delicate lavender pink tubular flowers. June-September. 4 ft. Pkt., 10c.

8355 —Alba. June-Sept. 3 ft. Pkt., 10c.

8356 —Gigantea. Lilac-rose. 4 ft. Pkt., 25c.

8357 —Compacta Rosea. Rose. 3 ft. Pkt., 25c.

Grandiflora "Vivid." 20 in. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, more vivid pink, and they last a long time when cut. Stocky, many branched plants, producing heavy bloom for several weeks. Plants, 3 for 85c; doz., \$2.50.



8361 PLATYCODON Mixture. Pkt., 10c.

Platycodon

(Chinese Bell Flower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

They resemble campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September. They require fairly light soil and good drainage.

- 8360 **Grandiflorum**. 2-3 ft. Large handsome, deep blue flowers. Pkt., 10c. Plants, 3 for 65c, doz., \$2.00.
 8365 —**Album**. White Pkt., 10c. Plants, 3 for 65c.
 8361 —**Mixture**. Pkt., 10c.
 8366 —**Early Flowering Blue**. Pkt., 15c.
 8367 —**Early Flowering White**. Pkt., 15c.
 8370 **× Mariessii Blue**. 1 ft. Deep blue flowers, dwarf. Pkt., 10c.
 8375 **× Alba**. White. Pkt., 10c.

OENOTHERA (Evening Primrose)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
 Showy and beautiful plants for borders, beds, etc., flowering from June to October.

- 8260 **Clutei**. 4 ft. From a large rosette of leaves it throws up a stout central stalk bearing in profusion large flowers of soft yellow. Open all day. Pkt., 25c.
 8261 **× Missouriensis (Macrocarpa)**. 1 ft. Long trailing stems with yellow flowers. Pkt., 10c.
 8264 **Trichocalyx**. 12-15 in. Flowers large, pure white, remain open all day. Pkt., 25c.
 8265 **Youngii**. 1-3 ft. Deep yellow. Pkt., 20c.

PENTSTEMON (Beard Tongue)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
 They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers with hairy throats, from whence the name "Beard Tongue."

- 8316 **Barbatus Torreyi (Chelone Barbata)**. 3½ ft. July-August. Coral red. Pkt., 10c.
 8323 **× Blue Gem**. 1 ft. Compact with charming blue flowers. Pkt., 25c.
 8335 **Digitalis**. 2 ft. June-July. White flowers with purple throat. Pkt., 25c.
 8324 **Glaber**. 3-ft. July-Sept. Blue. Pkt., 25c.
 8325 **Pubescens**. 2 ft. Rosy purple. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
 8337 **Southgate Gem**. 2 ft. Long graceful stems, poppy-red flowers, white throats. Pkt., 25c.
 8330 **Large Flowering Newest Hybrids**. Splendid assortment of colors. Pkt., 15c.

For other varieties see Annual Section.

POLEMONIUM (Jacob's Ladder)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
 Free flowering hardy perennial herbs, belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the tulips.

- 8380 **Coeruleum (Greek Valerian)**. 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.
 8386 —**Prima Donna**. Dwarf plant with delicate light blue flowers. 18 inches. Pkt., 10c.
 8387 **× Reptans**. 8 to 10 in. April-June. Dwarf bushy plant, pale lavender bell flowers. Pkt., 15c.
 8389 **Richardsoni**. 18 in. Large sky-blue flowers with a yellow eye. May to Sept. Pkt., 25c.
 8400 **POTENTILLA (Cinquefoil), Double Mixed**. All colors. Pkt., 20c.

Pyrethrums

(Painted Daisy) May-June

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Their large flowers, well named painted daisies, blossom with the tall iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

- 8437 **Comet Flowered Ostrich Feather**. Single and semi-double with twisted petals. Pkt., 25c.
 8440 **Grandiflorum Single Mixed**. Pkt., 15c.
 8431 —**Roseum**. Immense deep rose. Pkt., 50c.
 8432 —**Rubrum**. The color is a shade between deep rose and astrosanguineum and might best be described as deep ruby-red. Pkt., 50c.

8435A —**White**. Pure white and of true giant flowering type. Pkt., 50c.

8433 **Double Red**. The flowers will be large size in an attractive warm shade of red and will come fairly double from seed. Pkt., 50c.

8434 **Double White**. Pkt., 50c.

8430 **Double Mixed**. Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single. Pkt., 35c.

8441 **Album**. White.

8444 **Atro-sanguineum**. Blood-red.

8442 **Carneum**. Flesh.

8443 **Roseum**. Rose.

Price, each of the above 4 colors, pkt., 15c.

8436 **James Kelway**. Rich velvety blood red. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

8435 **Single Mixed**. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8428 **× Parmicaeflorum**. 10 in. Bushy plants with graceful, fine feathery sea-green foliage, appearing white at a distance. Likes warm, dry location. Protect in winter. Pkt., 25c.

8439 **Uliginosum**. A hardy and vigorous fall daisy bearing large white flowers in September. Easily grown from seed, it spreads rapidly and makes a practical hedge. 4 ft. September. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.



8440 PYRETHRUM Grandiflorum Single Mixed. Pkt., 15c.

PUERARIA (Kudzu Vine)

Culture: A or B (Mar.-July), D or E (March-July)

8425 **Thunbergiana (Jack - and - the - Bean - Stalk)**. 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Pkt., 10c.

For Roots, See page 101.

Perennial Seed Mixtures

Our Surprise Garden of Annuals has been a great favorite for several years with our customers. Many have asked for a similar mixture of perennial seeds, so we have made the following mixtures, carefully blended.

- 8600 **Dwarf Sorts Mixed**. From 6 to 15 in.
 8601 **Medium Sorts Mixed**. 18 to 36 in.
 8602 **Tall Sorts Mixed**. 3 ft. and upwards.
 One pkt., each of above, 25c; three pkts., 65c.



8416 PRIMULA Veris Polyanthus Mixed. Pkt., 25c. Plants, 3 for 85c.

Primrose

There is a growing appreciation of the beauty of the amazingly varied primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly, may be in the ground a year.

Culture: C (Oct.-March), B (Mar.-July)

Acaulis Lilacina, Fl. Pl. (Lavender Beauty). A fine new double variety, similar in habits and character to Primula Veris, with double lilac blooms. Plants, 3 for \$1.50; doz., \$5.00.

8402 **× Acaulis (Vulgaris) (Common Primrose)**. Flowers bright yellow; fragrant. Pkt., 10c.

8403 **× Auricula**. 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

8403A —**Giant Mixed**. Prize show varieties. Pkt., 50c.

8404 **Beesiana**. 18 in. Woolly leaves with velvety purple flowers with yellow eye. Borne in whorls in April and May. Pkt., 35c.

8405 **× Bullesiana Hybrida**. New hybrids of rose, orange, carmine, light and dark blue. Pkt., 50c.

8405B **Cortusoides Grandiflora Sieboldii**. 1 ft. A Siberian species with umbels of deep rose with white eye. April. Creeping root. Pkt., 35c.

8405A **× Cashmiriana**. 1 ft. Flowers in dense heads lilac in color. Blooms early. Pkt., 25c.

8407 **Florindae**. 3 to 4 ft. It bears from late June to late in August, 60 to 80 fragrant bright yellow pendant flowers at the top of its stem. Do well in full sun—heavy soil; hardy in Illinois. Pkt., 35c.

8410 **× Japonica Special Strain**. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.

8414 **× Rosea Grandiflora**. 8 in. Rose carmine. May-June. Pkt., 35c.

8411 **Sikkimensis**. 15 in. Yellow Fragrant. Pkt., 50c.

Polyantha Type (Veris Hybrids)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

Veris Kleynii. Heavy stems, average length 8 to 12 inches, carrying immense heads of 15 to 25 florets, each floret 1 to 1½ in. in diameter, rich golden yellow shaded apricot towards center. Plants, 3 for \$1.00; doz., \$3.50.

8415 **× Veris, Mixed**. 6-9 in. The Oxlip or Polyanthus, bearing bright flowers in umbels. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

8420 —**Grandiflora Coerulea**. The beautiful blue Polyanthus, extra fine variety. Pkt. (50 seeds), 50c.

8416 **× Grandiflora, Mixed**. An extra choice large flowered mixed strain. Pkt., 25c.

8417 **× Munstead Strain**. A giant polyanthus in many charming light shades. Pkt., 35c.

8418 **× Lutea**. Yellow. Pkt., 25c.

PLUMBAGO (Leadwort)

× Larpentae. 8 inches. Dwarf spreading habit covered with deep sky blue flowers all summer and fall. Rich color and abundance of bloom with neat foliage make this an ideal edging plant. Plants, 3 for 85c; doz., \$2.50.



8490 **SCABIOSA** *Caucasica Perfecta*.
Pkt., 15c. Plants, 3 for 85c.

Scabiosa

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Perennial Scabiosas are of great value in the garden. They are in bloom from June to October, require little space and thrive in ordinary soil. The graceful flowers in delicate shades of blue and lavender are borne on long, erect stems and are a valuable cut flower.

8490 **Caucasica Perfecta**. 18 in. Light blue flowers prettily fringed on long stem; fine for cutting. June-October. Pkt., 15c. Plants, 3 for 85c.

8491 —**Alba**. Pkt., 25c.

8494 **Columbaria Delicate Pink**. Flowers measure 2 inches across—very freely produced, of a beautiful shape, somewhat smaller than *Scabiosa Caucasica*, of a deep rosy mauve. Pkt., 25c.

8493 —**Delicate Lavender**. Same as above except color. Pkt., 25c.

8492 **House's New Giant Hybrids**. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

8495 **Japonica**. 2 ft. Lavender-blue flowers. September to frost. Pkt., 10c.

For Vaughan's Special Mixture, See Novelties.

8445 **ROMNEYA Coulteri** (Tree Poppy). 15c.

RANUNCULUS (Buttercup)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Well-known double buttercup, effective either as a cut flower or grouped in the hardy borders.

Acris Fl. Pl. (Double Buttercup). May-June Yellow. Plants, 3 for 85c; doz., \$2.50.

8448 **Palafior**. A riot of countless shades ranging from the deepest maroon to the purest white; from the most brilliant scarlet to the lightest pink—intermingled with odd shades. Pkt., 50c.

RUDBECKIA (Cone Flower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.

8460 **Speciosa (Newmanii)**. 3 ft. Rich golden yellow with central black disc. Pkt., 15c.

Purpurea Grandiflora—See *Echinacea Purpurea*.

For Cultural Instructions, See page 87.

BABY ROSE (Miniature Fairy Rose)

8452 **Rosa Polyantha Nana**. 1 ft. Produces the first year from seed true rose bushes bearing tiny double and semi-double white flowers. Excellent for rock gardens, small beds, borders or for pot plants. Pkt. (25 seeds), 25c.

SAPONARIA

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8482 **×Ocymoides Splendens**. 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers June-August. Pkt., 10c. Plants, 3 for 85c



7715 **SWEET WILLIAM** Vaughan's Special Mixture. Pkt., 25c. Plants, 3 for 65c.

Sweet William

(*Dianthus Barbatus*)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Among the early hardy plants, they are outstanding. They appreciate rich soil. 18-24 inches. May-June.

7640 **Copper Red**. A new and rich color. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7645 **Diadematus**. Crimson, white eye. Pkt., 10c.

7650 **Johnson's Giant**. The range of color includes tones not to be found in other strains, with delicate markings. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7655 **Nigrescens**. Almost black. Pkt., 10c.

7660 **Pink Beauty (Newport Pink)**. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7661 **Purple Beauty**. Bright deep purple. Pkt., 25c.

7635 **Scarlet Beauty**. A charming and distinct color. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7665 **Single Albus**. White. Pkt., 10c.

7670 —**Atror-sanguineus**. Blood-red. Pkt., 10c.

7675 —**Roseus**. Pink. Pkt., 10c.

7676 —**Turkey Red**. Pkt., 10c.

7685 —**Giant-Flowered Mixed**. Pkt., 10c.

7686 —**Dwarf Mixed**. Pkt., 10c.

Double Varieties

Seedlings of all double Sweet William produce about 40% of single blooming plants.

7690 **White**. 7703 **Nigrescens (Black)**.

7695 **Rose**. 7698 **Salmon Rose**, 15c.

7700 **Blood-Red**. 7705 **Mixed**.

Price, each of above, pkt., 10c, except where noted.

7710 **Double Giant-Flowered Mixed**. Pkt., 15c.

7711 **Double Dwarf Mixed**. Pkt., 15c.

7715 **Vaughan's Special Mixture, Sweet William**.

A mixture of all the beautiful varieties here listed and others. Pkt., 25c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

Salvia

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Showy, hardy plants of medium growth and of easy cultivation in sunny borders. The flowers are borne in spikes, racemes, or panicles, and very attractive during the summer months.

8470 **Argentea**. 3 ft. June. Biennial silvery white foliage, pyramids of yellow flowers. Pkt., 10c.

8471 **Azurea Grandiflora**. 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. Pkt., 15c. Plants, 3 for 65c; doz., \$2.00.

8476 **Nutans**. 3 ft. A dark blue drooping flower. Pkt., 15c.

8477 **Pratensis**. 2 ft. A violet-blue. Pkt., 10c.

8478 **Verbascifolia Syria**. 5 ft. Makes a bold clump of foliage. Flower spikes 18 in. tall. Flowers dark blue. Pkt., 25c.

8480 **Patens**. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Pitcherii (Meadow Sage). 3½ ft. Sept.-Oct. Deep blue. A great improvement over *Azurea*, blooms three weeks later. Plants, 3 for \$1.00; doz., \$3.50.

8507A **×SEMPERVIVUM (Hen and Chickens)** Perennial Hybrids Mixed. Pkt., 50c.



SEDUM *Spectabile*.
Plants, 3 for 85c.

Sedum

Culture: B (Feb. to July 15th), D or E (Mar.-July)
The species vary in habit from dwarf, creeping plants to those of larger growth, as the *Spectabile*, grows upwards of 2 ft. high. Some, too, are of evergreen and others of deciduous growth with more or less fleshy leaves. The dwarf kinds do well as edgings to borders and others are suitable for grouping in the border.

8501 **×Acre (Golden Moss)**. 3 in. A low spreading mossy growth. The bright yellow flowers completely cover the plants in June. Pkt., 25c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8501A **Aizoon**. 10 in. Yellow and brown, for rocks and borders. July. Pkt., 25c.

8504 **Anglicum**. 4 in. Foliage blue-green, flower-spikes white, with peach blossom. June-July. 25c.

×Album. 3 in. Thick waxy green foliage, white flowers in May-July. Plants, 3 for 65c; doz., \$2.00.

8502 **×Coeeruleum**. 3 in. Pale blue. Pkt., 25c.

8504A **×Middendorffianum**. 6 in. Yellow. Pkt., 25c.

8504B **Mixed Many Species**. Pkt., 25c.

8505A **×Reflexum**. 8 in. Trailing stems, flowers yellow. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

×Sieboldii. 4 in. Round succulent, glaucous foliage; bright pink flowers in August and September. Grows slowly but is probably the most beautiful of all sedums. Plants, 3 for 85c; doz., \$2.50.

8503 **×Spurium**. 6 in. Pink flowers which appear in July and Aug. Bronze-red foliage. Pkt., 25c; Plants, 3 for 65c; doz., \$2.00.

Spectabile. 18 in. Immense heads of handsome showy rose-colored flowers. Plants, 3 for 85c; doz., \$2.50.

Sedum Collection No. 83

One plant each, 6 varieties, our selection, for \$1.25.

Saxifraga (Megasea)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
The Saxifrages are one of the largest and one of the most important genus of plants, connected with Alpine gardening.

8483 **×Aizoon**. 6 in. Cream. Pkt., 25c.

8483A **×Cordifolia**. Light pink. 1 ft. May. Pkt., 35c. Plants, 3 for 85c; doz., \$2.50.

8487 **×Splendens**. 2 ft. Useful little plant for rock gardens. Bright rose-pink. Pkt., 35c.

8485A **×Hypnoides**. 3 in. Dovedale Moss or Eve's Cushion. Flowers white in May and June on long stout and slender stems. Pkt., 25c.

8485 **Mossy Varieties and Species, Mixed**. 25c.

8484 **Perennial Species, Mixed**. Pkt., 25c.

8495A **×SCUTELLARIA (Helmet Flower)**. *Baicalensis Coelestina*. 15 in. Blue. Pkt., 25c.

8506 **SENECIO Clivorum Orange Queen**. 4 ft. Pkt., 25c.

8507 —**Othello**. 4 ft. Purple foliage. Pkt., 25c.

8512 **×SPERGULA Piliifera**. 4 inches. Evergreen. Pkt., 35c.

8515 **STACHYS Lanata**. 1-2 ft. White foliage. Pkt., 10c.

SIDALCEA

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Graceful, hardy perennials with Hollyhock-like flowers borne on slender spikes.

8497 Rosy Gem. 4 ft. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8499 New Hybrids. Varying through light pink to deep rose. Pkt., 15c.

SILENE (Catchfly)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all summer.

8508 Alpestris. 6 in. May to July. Sheets of glistering white flowers. Pkt., 25c.

8508A Asterias Grandiflora. 1½ ft. Globular heads of carmine-scarlet flowers. Pkt., 15c.

8509 X Schafta. 4 in. July-October. Bright rose. One of the best autumn border plants. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

8509A Saxifraga. 10 in. June to Aug. Flowers yellow, reddish-brown underneath. Pkt., 25c.

STATICE (Sea Lavender)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

They are stemless, the leaves springing direct from the root stock and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter.

8516 Caspia. The multitude of small flowers composed in spikes 2 to 3 ft. long of a tender lilac. 15c.

8515A Dumosa. It forms densely packed cushions of pure silvery grey flowers. Their stems are stiff and wiry, the panicles are thickly covered with blossoms. 2 ft. Pkt., 25c.

8520 Latifolia. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8517 Perezii. Rich bright blue. Pkt., 25c.

8518 Tatarica. White, useful for drying. Pkt., 15c.

STOKESIA (Stokes' Aster)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Large flowers, resembling a single aster, it prefers a light soil, and some winter protection.

8525 Cyanea. 18 in. July-Oct. Flowers rich blue. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8535 —Mixed. Blue and white. Pkt., 15c.

VERBASCUM

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8569A Harkness Hybrids. 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. Pkt., 25c.

8568 Hybridum, Miss Willmott. The large white flowers are produced in stately spikes, rising 5 to 6 feet. July to frost. Pkt., 15c.

8567 Olympicum. 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Pkt., 25c.

8569 Phoeniceum Hybrids. 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.



8553 TROLLIUS Golden Queen.
Pkt., 50c. Plants, 3 for \$1.50.

TROLLIUS (Globe Flower)

Culture: C (Oct.-Mar.)

Globe flowers of unique character, of bright orange or yellow, and finely cut leaves, make this a desirable subject for moist, lightly shaded locations or pool sides. (Seeds germinate slowly, soak in hot water for six hours before sowing.)

8550 Europaeus. (Golden Ball.) 20 in. Yellow. 25c

8551 Ledebouri. 2 ft. Orange flowers. Pkt., 50c.

8553 —Golden Queen. 3 to 4 ft. The plant is very vigorous, bearing large flowers of intense orange color, and flowers in autumn as well as early summer. It comes practically true to type from seed. Pkt., 50c. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.

8554 Hybridus Mixed. 20 in. Pkt., 25c.

New Hybrids. 2-3 ft. May-July. Grown from selected seed of the best named varieties. Many give second bloom in autumn. Plants, 3 for \$1.25; doz., \$4.00.

Critoma Red-Hot Poker

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

Grandis Pfitzeri. 2-3 ft. Aug.-Oct. The rich orange scarlet flowers come freely in late summer and often continue till late October. The great waxy flowers make a vivid splash of color and are an excellent cut flower. Plants, 3 for 85c; doz., \$2.50.

8556 Hybrida Early-Flowering Mixed. These hybrids contain many interesting colors. Pkt., 25c.

Royal Standard. 2-3 ft. Aug.-Oct. Large blooms with golden yellow base and brilliant scarlet top. Plants, 3 for \$1.00; doz., \$3.50.

Tower of Gold. New. 3 ft. Vigorous plant with tall golden yellow blooms standing erect. Plants, 3 for \$1.25; doz., \$4.00.

8555 Uvaria Grandiflora. 4 ft. August-November. The ordinary red Tritoma. Pkt., 15c.

THALICTRUM (Meadow Rue)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8540 X Adiantifolium. 18 in. June-July. Light plumes of small whitish flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8541 Aquilegifolium. Feathered Columbine. Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

8545 Dipterocarpum. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

8547 Glaucum. Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

8538 X TEUCRIUM Chamaedrys. 8 in. Rose, grey leaves. Pkt., 35c. Plants, 3 for 85c; doz., \$2.50.

THERMOPSIS

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8548 Caroliniana. 3 to 5 ft. June and July. The long, graceful spikes of yellow lupin-like flowers blossom with the delphiniums and provide an excellent foil for their blues. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

VIOLA CORNUTA

For Seeds—See Annual and Novelty Pages.

X Admiration. Light blue. Plants, 3 for 65c; doz., \$2.00.

X Jersey Gem. Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut-flower. Plants, 3 for 85c; doz., \$2.50.

X Lutea Splendens. Rich golden yellow. Plants, 3 for 65c; doz., \$2.00.

X White Perfection. One of the finest whites. Plants, 3 for 65c; doz., \$2.00.

VIOLA (Violet)

Culture: C (June-Sept.), Set out Sept.-Oct.

8580 Blue Sweet. Single, deep blue, common single violet. Pkt., 10c.

8581 X Bosniaca. Free blooming, small rose magenta flowers. Pkt., 25c.

8584A X Florariense. This variety forms large compact plants producing a continuous bloom for a long period. The flowers are pale lavender. (Varies, does not come entirely true.) Pkt., 35c.

8580A Odorata. The Czar. A magnificent single, fine blue, long stems, very fragrant. Pkt., 15c.

8580B—The Czar, Fl. Albo. Large white. Pkt., 25c.

HARDY SWEET VIOLETS

X Double Russian. The true hardy double violet. Very double, dark purple flowers, intensely fragrant. Plant in shade and mulch. Plants, 3 for \$1.00; doz., \$3.50.

X Frey's Fragrant. Large deep purple single blooms, standing well above the heavy foliage. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

X Prince of Wales. Grows anywhere. Large single fragrant. Plants, 3 for 85c; doz., \$2.50.

X Rosina. New. This charming variety has an abundance of very fragrant, rose pink flowers. It also blooms more freely in Autumn than other varieties; very often it will bloom all October. Extremely hardy and a gem for the shady corner. Plants, 3 for \$1.00; doz., \$3.50.



8569 VERBASCUM Phoeniceum Hybrids. Pkt., 25c. Plants, 3 for 85c.



5796 VIOLA Jersey Gem. Pkt., 25c. Plants, 3 for 85c.



PHLOX Obergartner Wittig. Plants, 3 for \$1.00.



PHLOX Thor. Plants, 3 for 85c.

THYMUS (Mountain Thyme)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8549 X Serpyllum, Wild Thyme. Dwarf growing perennial herb with fragrant foliage. Delights in sunny spot, creeping habit. Purple flowers. Pkt., 25c. Plants, 3 for 65c; doz., \$2.00.

8549A—X Coccineum. 2 in. Matted, dark green foliage; dark red flowers. June-July. Pkt., 25c.

TUNICA

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8559 X Saxifraga. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt., 15c. Plants, 3 for 65c; doz., \$2.

VERONICA (Speedwell)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bear blue or white flowers in terminal spikes or racemes.

8571 Amethystina. 1 ft. June-July. Creeping foliage. Amethyst blue. Pkt., 25c. Plants, 3 for 65c; doz., \$2.00.

8577 X Incana. Deep blue flowers, gray foliage 12 in. June-July. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8576 Longifolia. 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Pkt., 15c. Plants, 3 for 65c; doz., \$2.00.

8572 X —Hendersoni Nana. It is more dwarf, being only 15 to 18 in. high and the flower spikes are a deep navy blue. Pkt., 25c.

8573A X Rupestris. Dwarf and spreading. Deep blue flowers. May-June. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

VERONICA—Continued.

8573 X Repens. 1 in. Useful carpeting plant. Blue. May-June. Pkt., 25c.

8570 Spicata. Blue. 2 ft. July-August. Small spikes of rich blue flowers. Pkt., 15c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

—Rosea. 1 ft. Pure pink. Plants, 3 for 85c.

8574 X Teucrium Royal Blue. 12 in. May-June. Prostrate foliage, brilliant blue flowers. Pkt., 15c.

VERONICA Subsessilis (Japanese Speedwell). 2 ft. July-Sept. Conceded to be the best of the Veronicas. It blooms latest of all, the large spikes of dark blue flowers are borne on stiff stems well above the foliage. Plants, 3 for \$1.00; doz., \$3.50.

Veronica Collection No. 85. One plant each, 5 varieties, our selection. for \$1.00.

8575 Perennial Varieties. Mixed. Pkt., 15c.

8578 X Prostrata Mixed. Blue and white. Trailing. June-July. Pkt., 25c.

VINCA Minor (Grave Myrtle) X

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

Bowles Variety. A new European form showing great improvements over the ordinary type. Larger and glossier leaves and flowers. The plant stays in bloom much longer and the flowers are a charming intense shade of Periwinkle blue. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

VALERIANA (Garden Heliotrope)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8565 Alba. Pure white fragrant. Flowers in June and is one of the most charming perennials. 10c.

8560 Rubra. 2 ft. Sweet-scented purple rose. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8564 Mixed. The above two. Pkt., 10c.

8566 Officialis. 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong heliotrope odor. Pkt., 25c. Plants, 3 for 65c; doz., \$2.00.

YUCCA (Adam's Needle)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8585 Filamentosa. 5-6 ft., or more. June-July. Broad swordlike evergreen foliage. The flowering stalks are 6 feet high, with large creamy white flowers. It likes loose dry soil and a warm situation. Pkt., 10c. —2-Year. Plants, 3 for 85c; doz., \$2.50. —3-Year. Plants, 3 for \$1.00; doz., \$2.50.

Angustifolia (Soapwood Yucca). Long stiff narrow evergreen foliage, flowers large white or purplish. —2-year. Plants, 3 for \$1.00; doz., \$3.50. —3-year. Plants, 3 for \$1.25, doz., \$5.00.

8589 WISTERIA Chinensis Blue. Climber, purplish pea-shaped flowers. Pkt., 15c.

FANCY LEAF CALADIUMS

Semi-tropical bulbs with large variegated leaves ranging through pink, red or green and marbled and veined in contrasting colors. Much used as summer house plants. Our mixture embraces all the best varieties. Price, 35c each; \$3.50 per doz.; \$25.00 per 100.

Vaughan's Hardy Phlox

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 feet. All Phlox supplied in one-year-old field roots except where noted.

The habit of growth is indicated by D=Dwarf, M=Medium, T=Tall.

B. Comte. T. Wine purple of satiny sheen. 3 for \$1.00; doz., \$3.50.

Baron Von Dedem. T. Brilliant orange-scarlet with carmine eye. 3 for 85c; doz., \$2.50.

Border Queen. D. Dwarf with massive heads of watermelon pink. 3 for \$1.50; doz., \$5.00.

Champs Elysee. M. Dark purple. 3 for 85c; doz., \$2.50.

Daily Sketch. M. New. Outstanding and immense flowers, light salmon pink with carmine eye. 3 for \$1.50; doz., \$5.00.

Emain Macha. D. New. Dark flaming red. 3 for \$1.50; doz., \$5.00.

Feuerbrand (Fireglow). T. Bright scarlet, large trusses. 3 for \$1.25; doz., \$4.00.

Flora Reidy. M. Pure white. 3 for 85c; doz., \$2.50.

Goliath. T. Tall and early flowering. Light reddish purple. 3 for 85c; doz., \$2.50; 100, \$15.00.

H. B. May. T. Large florets of silvery bluish pink with darker center. 3 for 85c; doz., \$2.50.

Leo Schlageter. D. New. Most vivid of the orange scarlet or fiery red phloxes. Large blooms. Good foliage. 3 for \$1.50; doz., \$5.00.

Miss Lingard. T. (Suffruticosa). Earliest to bloom. Large white, very small pink shadings. 3 for 85c; doz., \$2.50; 100, \$15.00.

Miss Von Lassberg. T. Tall white, very large flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.

Mrs. Jenkins. T. Sturdy tall white. 3 for 85c; doz., \$2.50.

Mrs. Milly Von Hoboken. T. Bright pink, faint mauve suffusion. 3 for \$1.00; doz., \$3.50.

Mrs. Scholton. M. Dark salmon pink, very large flowers. 3 for \$1.00; doz., \$3.50.

Obergartner Wittig. M. Late blooming. Enormous heads of large lilac-rose flowers with a lighter circle around a crimson eye. 3 for \$1.00; doz., \$3.50.

Painted Lady. T. Soft silvery pink with red eye. 3 for 85c; doz., \$2.50.

Rheinlander. M. Salmon-pink intensified by a distinct claret-red eye. 3 for 85c; doz., \$2.50.

Rosalinda. M. (Suffruticosa). Early flowering. Soft Amaranth pink flowers. A distinct novelty. 3 for \$1.00; doz., \$3.50.

RAINBOW-PHLOX COLLECTION No. 85, \$1.50, PREPAID

Contains one each, Goliath, light purple; Feuerbrand, red; Miss Von Lassberg, white; Obergartner Wittig, lilac-rose; Special French, bluish pink; and Thor, salmon pink.

NEW PHLOX "COLUMBIA" A 1935 Patented Introduction

The new pink phlox offered and advertised in 1935 for the first time. Stocky, branching growth. Heavy, glossy, disease-resisting foliage and an abundance of large size cameo pink blooms, free from magenta shading, with faint blue eye, distinct from any other pink phlox. Long blooming habit and healthy productive growth sets this variety in a class by itself. Each 50c; 3 for \$1.25; doz., \$4.00; 100, \$30.00.

Salmon Queen. T. A true, clear, salmon-pink of large size. Robust grower. 3 for \$1.25; doz., \$4.00.

Special French. M. Blush pink salmon eye. Big hydrangea type blooms. 3 for \$1.00; doz., \$3.50.

Thor. T. A deep salmon-pink suffused and overlaid with a scarlet glow. 3 for 85c; doz., \$2.50.

Von Hochberg. M. Large size blood red blooms. The best deep red. 3 for \$1.50; doz., \$5.00.

Mixed. 1-year field-grown plants of a choice mixture of colors. 3 for 65c; doz., \$2.00; 100, \$12.00.

DWARF AND ALPINE PHLOX

Used in rock gardens, for ground covers, for borders and interplanting.

AMOENA. Charming native variety, bright pink flowers. 6 in. April-May. 3 for 85c; doz., \$2.50; 100, \$15.00.

DIVARICATA CANADENSIS. Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefers shade. 3 for 65c; doz., \$2.00; 100, \$12.00.

OVATA (Carolina). Rosy red flowers. 12 in. June-July. Same foliage as the late blooming sorts. 3 for 85c; doz., \$2.50; 100, \$15.00.

PHLOX SUBULATA (Moss or Mountain Pink)

An early spring flowering type. Creeping, moss-like foliage completely covered by masses of bloom in May.

Subulata Alba. Dainty white flowers in May. 3 for 65c; doz., \$2.00; 100, \$12.00.

Subulata Brittoni. Valuable California species, recommended for hot dry locations. Starry white flowers, compact foliage. 3 for \$1.00; doz., \$3.50.

Subulata Atro-Purpurea. A new variety. Brilliant reddish purple flowers. 3 for \$1.25; doz., \$4.00.

Subulata Mrs. G. F. Wilson. Compact growth, heavy bloomer. Lavender pink flowers in May and in the fall. 3 for \$1.00; doz., \$3.50.

Subulata Lilacena. Pale lilac blooms in May. 3 for 65c; doz., \$2.00; 100, \$12.00.

Subulata Rosea. Dainty pink flowers. This and Alba are fine for graves. 3 for 65c; doz., \$2.00.

Subulata Rosea Improved. More compact, more free flowering and a clearer pink than Rosea. 3 for \$1.00; doz., \$3.50.

Subulata Vivid. Dwarf in growth and most profuse bloomer of all types. Bright pink with fiery red eye. 3 for \$1.00; doz., \$3.50.

Peonies

Peonies may be planted in the fall or spring. Orders should be sent at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 inches of soil over the crown (eyes) being sufficient.

Choice Peonies

That have extra large blooms

Avalanche. A magnificent white; midseason. 50c.

Felix Crousse. Dazzling ruby-red. 50c.

Karl Rosefield. Mammoth blooms of rich velvety crimson; early midseason. 75c.

Mons. Jules Elie. Lilac-pink; early. 75c.

Richard Carvel. Bright crimson; early. 75c.

Octavie Dermay. Very large delicate hydrangea-pink. Very fragrant; dwarf; early. 50c.

Officialis Rubra Plena. The old-fashioned early brilliant red. 75c.

Tenuifolia Flore Pleno. A very early species, in bloom two weeks ahead of any other Peony.

Flowers are a full-double brilliant crimson and the foliage is finely cut like that of the Cosmos. Very rare and always scarce. Should be mulched the first winter after planting. \$2.00.

Special Offer No. 85C. One each Avalanche, Karl Rosefield and Mons. Jules Elie for \$1.50.

Good Peonies at Bargain Prices

Any of the following, 40c each. Add for postage for 1 plant, 8c; for 3 plants, 16c.

Augustin D'Hour. Rich solferino-red; midseason.

Duchess de Nemours. Early pure white; fragrant.

Edulis Superba. Clear, mauve-pink; early.

La Tulipe. Large light pink; late midseason.

Louis van Houtte. Carmine-rose; late midseason.

Mad. de Verneville. Early bluish white; fragrant.

Special Offer No. 85D. Three Peonies, 1 red, 1 pink, 1 white, our selection from good named varieties, labeled, for \$1.00.

Evergreens for Rock Garden

BLACK HILL SPRUCE (Picea Canadensis Albertiana). A very compact growing Spruce from the Black Hills. Bright green to bluish foliage.

CANADIAN JUNIPER (Juniperus Canadensis). Of low spreading form with glaucous green foliage.

CREeping Savin Juniper (Juniperus S. Horizontalis). Low growing, trailing variety with attractive light green foliage.

PFITZER Juniper (Juniperus Pfitzeriana). Best of all evergreens. Of broad, spreading habit with rich green foliage.

MUGHO PINE. (Pinus Montana Mughus). Of dwarf, round compact growth; foliage bright green in winter and summer.

2 each of the above, 8 to 10 in., 10 plants for \$3.95.

1 each of the above, 8 to 10 in., 5 plants for \$2.25.

8340 PHLOX Decussata. 2-3 ft. June-Oct. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating, the seedlings may not appear for a year. 15c.

Flower Seeds for Greenhouse Use

ACHIMENES Best Mixture

Culture: D or E (Jan.-March)

- 130 ÷ 1 ft. Tubular flowers of varied red, pink purple and lavender tones, with contrasting throats especially suitable for hanging baskets and pots. Blooms in six months from seed. Pkt., 50c.

ALOE Variegata

Culture: D or E (March-April); C (May-June)

- 243 Variegata, or "Tiger-Aloe", the finest and most favored quick-growing succulent with beautifully variegated leaves. 10 seeds 25c.

ANTIRRHINUM Snapdragon

Culture: D or E (March-April)

See Also Novelties

- 362 Afterglow. A beautiful bronze. Pkt., 50c.
367 Bertha Baur. Charming lavender or orchid shade. Pkt., 50c.
373 Celestial (Witterstaetter). New yellow. Pkt., \$1.50.
374 Ceylon Court Yellow. Beautiful canary-yellow. Pkt., 50c.
375 Cheviot Maid. Yoder Strain. Early rose pink. Pkt., 50c.
394A Kirkwood Beauty. Bronze with a cast of gold. Pkt., \$1.00.
395 Lucky Strike. Best pure white. Pkt., 50c.
395A Marion Golden (Schumann). Yellow, having the same characteristics as the white. Pkt., \$2.00.
396A Marion White (Schumann). A real white, large close flowering spike on a strong sturdy stem, throwing small foliage. Pkt., \$2.00.
377A New Cincinnati. Attractive fragrant light rose pink. Pkt., \$1.00.
397B New Deal. Very early, fragrant, golden bronze. Pkt., \$1.00.
398A Nicholson Yellow. A striking new bright yellow. Pkt., \$1.00.
404A Roman Gold. A deep golden yellow with the lip a lighter yellow suffused with pink. Pkt., 50c.
408A Rose Queen (Witterstaetter). Dark pink. Pkt., 50c.
407A Sunburst Improved. Intense orange copper and golden yellow. Pkt., 50c.
400 Terry's Surprise Improved. Free and continuous flowering, flowers well placed, fine stems. Rich deep pink, with bronzy orange. Pkt., 50c.
406A White Prosperity. Pure white. Pkt., \$1.50.
402A Velvet Beauty. Rich American Beauty red in color, exceptionally stout stem and dark green foliage. Pkt., 50c.
407D White Cheviot Maid (Yoder). Pure white, flowers beautifully placed. Pkt., \$1.00.
407B Winter Helen. Lovely salmon pink. Pkt., 50c.
409A Yellow Cheviot Maid (Volz). Outstanding yellow snapdragon. Pkt., \$1.50.
426 VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES. A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS

Culture: C (June-Aug.) Pot up in Fall, force in greenhouse

- 480 Plumosus Nanus (Lace Fern). ÷ 3 ft. The hard seeds need soaking and bottom heat to sprout them. Pkt., (15 seeds) 15c; 100 seeds, 60c.
485 Sprenger (Emerald Feather). ÷ Finest material for hanging baskets, etc.; the minute flowers, produced in racemes, are rose with orange anthers. Pkt., (15 seeds) 15c; 100 seeds, 60c.

CALCEOLARIA +

Culture: C (June-Aug.), Pot up in Fall, force in greenhouse.

- 1180 Hybrida Grandiflora (Pouchflower). 1½ ft. A colorful greenhouse plant bearing a profusion of small, pocket-shaped orange or yellow flowers, many of which are beautifully tigered or spotted. Pkt., (300 seeds) 50c.
1179 Multiflora Nana. The average size of the blooms is only 1½ inch, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.00.
1182 Albert Kent's Hybrids. A very lovely variety. The flowers are intermediate in size and produced in large graceful clusters. Pkt., \$1.00.
1183 Flower Cloud. A cross between Rugosa and Grandiflora. Free flowering in all colors, very vigorous in growth. Pkt., \$1.00.
1185 Rugosa, Mixed. Includes nearly all the beautiful colors found in Calceolarias. Pkt., 25c.
CHRYSTANTHEMUM Cascade, see page 75.

CLERODENDRON Fallax

- 1791 An imposing perennial stove plant, which has been admired at the English shows and is easily grown from seed. The large heads of bright scarlet flowers are as useful for greenhouse decoration as the popular Poinsettia which they resemble in color. In form they are like a glorified Bouvardia Height 2 ft. Pkt., (10 seeds) 50c.



Photo Courtesy of Lord and Burnham

CINERARIA HYBRIDA +

Culture: C (July-Aug.), Pot up in Fall, force in cool greenhouse.

- 1715 Vaughan's Columbian Mixture. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt., (75 seeds) 25c.
1716 Cremer's Prize. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.
1726 Hybrida Multiflora Nana. Gold Center. 10 in. A new race producing dwarf plants with masses of small self-colored flowers with gold center. ¾-inch diameter, compact head over small and dainty foliage. Pkt., 35c.
1722 Polyantha Stellata Mixed. 2 ft. A mixture of blue, red, white and intermediate shades of star-shaped flowers. Pkt., (100 seeds) 25c.
1723 Feltham Beauty. Similar to above but dwarfier, with larger flowers and broader petals, but retaining the true star shape. Pkt., 35c.

CYCLAMEN + 1 ft. Persicum Giganteum (Binnewies Strain)

Culture: C (June-Aug.) Pot up in Fall, force in greenhouse

- | | |
|--------------------------|-----------------------|
| 2001 Bright Red. | 2005 Salmon, Light |
| 2002 Pure White. | (Rose of Zehlendorf). |
| 2003 Salmon Scarlet | 2006 Orange Beauty. |
| (America Improved). | Orange vermillion. |
| 2004 Salmon, Dark | 2007 Pink Pearl. |
| (Glory of Wandsbek | 2008 Mozart. Deep |
| or Perle of Zehlendorf). | pink. |
- Price, each of above, pkt., (10 seeds) 30c.
2010 Mixed. 10 seeds, 25c; 25 seeds, 60c; 100 seeds, \$2.00.

Vogt's Double Strain

- 2011 Admiration. Beautiful salmon rose with shaded eye.
2011A Cerise Brilliant.
2012 Prosperity. A flaming rose.
2013 Rosea. A soft rose with a coral cast shading lighter.
Price, each of double varieties above, 10 seeds, 50c.

DRACAENA—Indivisa

Culture: D, E or C (Jan.-July)

- 2350 □ + 2 ft. Ornamental leaved plants; long, narrow, green-leaved foliage. Pkt., 10c.

EXACUM—Affine

Culture: D or E (Jan.-March)

- 2445 Greenhouse annual. 1 ft. high with numerous bluish-lilac flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Pkt., 50c

FREESIA

Culture: D, E or C (Jan.-July)

- Bloom first year from seed.
2450 Refractor. Pure White. Pkt., 10c.
2456 Tubergenii. Richest shades, very large flowering hybrids. Pkt., 35c.

FUCHSIA (Ladies' Eardrop)

Culture: D or E (Feb.-April)

- 2460 Double and Single Mixed. ÷ 1 to 4 ft. Well-known greenhouse plant, blooms from seed first year, if planted early. Pkt., (20 seeds) 25c.

GESNERIA

Culture: D or E (Jan.-March)

- 2505 Robusta Perfecta Hybrids. ÷ The flowering spikes carry numerous bright pendulous blooms, including pure white, yellow, salmon-pink, orange, rose-carmine, and rich crimson. It belongs to the same class as the Gloxinias. Pkt., 50c.

GLOXINIA

Culture: D, E (Jan.-March)

- 2560 VAUGHAN'S INTERNATIONAL MIXTURE. ÷ 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.

GREVILLEA

Culture: D or E (Jan.-April)

- 2675 Robusta (Silk Oak). ÷ 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth, with its long, drooping, silky foliage. Pkt., 15c.

KALANCHOE

Culture: C (June-Aug.) Pot up in Fall, force in greenhouse

- 2964 Globulifera var. Coccinea. In form the flowers are similar to the well known Bouvardia flower, but the color is a very bright scarlet. They bloom in winter and flowers last a long time. Pkt., (100 seeds) 25c.

MARIGOLD

- 3122 Lieb's Winter Flowering. Mahogany brown with golden yellow crested center. Pkt., 50c.

MIGNONETTE

- 3224 The Ball. The flower spikes are especially heavy and lighter in color than other varieties. Pkt., 50c.

PRIMULA (Chinese Primrose) ÷

Culture: D or E (March-April); C (May-July)

- 4465 VAUGHAN'S INTERNATIONAL MIXTURE. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt., (100 seeds) 35c.
4466 Dazzler. A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting, robust constitution. Award of Merit R. H. S. 1934. Pkt., (100 seeds) 75c.
4460 Good Mixture of Single Varieties. Pkt., 15c.

Primula—Various Sorts

Culture: C (May-July), Pot up July-Sept., winter in cold frame.

- 4475 Malacoides. 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.
4476 Dawkins Carmine Pink. A vivid and distinct color. Pkt., 50c.
4478 Rosea. Pkt., 25c.
4479 Salmon Red. A desirable new shade, 50c.
4473 Snow Queen. Large pure white. Pkt., 25c.
4474 Mixed. All colors. Pkt., 25c.
4477 Double White. Pkt., 50c.
Culture: D or E (April-May): A or B (May-June).
4480 Forbesi Baby Primrose. 10 in. Rose color with yellow eyes. Pkt., 15c.
4481 Kewensis. 1 ft. Canary-yellow. Fine leaf, winter bloomer. Pkt., 25c.

Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in cold frame or greenhouse. Germination 3-4 weeks.

- 4491 Better Days. A new color, deep carmine red. The darkest and most pleasing Primula Obconica Pkt., (200 seeds) 50c.
4485 Appleblossom. Pink.
4486 Coerulea. Heavenly blue.
4487 Fassbender Red. Flowers rich deep red.
4488 Salmon Rose. A beautiful shade.
4489 Rhine Pearl. Dark salmon-carmine
4490 Rosea. Pink.

Price, each of the above, except Better Days, Pkt., (200 seeds) 25c.

- 4495 Obconica Grandiflora Mixed. Good mixture. Pkt., (200 seeds) 15c.

Primula Obconica Gigantea

- 4500 Gigantea Rosea. A beautiful clear rose. Pkt., (200 seeds) 25c.
4505 Gigantea Mixed. Pkt., (200 seeds) 25c.

SAINTPAULIA ÷ 4 in.

Culture: D, E (Jan.-March)

- 4589 Itonantha. African Violet. A free and long-flowering pot-plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers resembling large single sweet-scented violet. Pkt., 50c.
4588 Kewensis. The numerous shining blue flowers reminding one of violets, contrast well with the dense light green rosette of leaves. Pkt., 65c.

SOLANUM (Jerusalem Cherry)

Culture: D, E or C (Jan.-July)

- Ornamental plants with attractive berries, useful pot plant for winter decoration.
4790 Cleveland Cherry Red. Pkt., 15c.
4789 Hlavacek's Masterpiece. A very pronounced improvement. Grows more compact and produces the scarlet berries in greater profusion. Pkt., 25c.

STEVIA Serrata

Culture: C (June-Aug.) Pot up in Fall, force in greenhouse

- 4825 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 15c.

STREPTOCARPUS

Culture: D, E (Jan.-March)

- 4826 Largest Hybrids. ÷ 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 35c.

STOCKS, Non-Branching. See page 66.



FIRMING THE SOIL



MARKING THE ROWS



SOWING THE SEED



COVERING THE SEED

SOWING SEEDS IN THE INDOOR BOX

How to Sow Flower Seeds

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject, together with the most

favorable time for propagating. While our cultural instructions are thorough, they should be supplemented by reading in good gardening books, and by obtaining at first hand advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out.

A GUIDE TO TREES. Described in clear understandable terms, a major portion of the trees of North America. Scientifically accurate. A glossary and more than 200 illustrations make the text still clearer. 209 pages. \$1.29.

DOUBLEDAY DOLLAR GARDEN BOOKS. These books are uniform in size and illustrated with many graphic line drawings and a half-tone frontispiece. Bound in cloth. 96 pages. 5 x 7 1/2. Plant Propagation for the Garden. By Dr. David C. Fairburn—\$1.00.

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How to Grow Perennial Flowers. By Victor H. Ries—\$1.00.

Pruning and Repairing of Trees, Shrubs, and Ornamentals. By Victor H. Ries—\$1.00.

A Year in the Rose Garden. By Dr. J. H. Nicolas—\$1.00.

How to Grow Vegetables and Berries. By Adolph Kruth—\$1.00.

How to Arrange Flowers. By Dorothy Biddle—\$1.00.

Plant Welfare; Recognition and Control of Pests and Diseases. By Victor H. Ries—\$1.00.

GARDEN GUIDE. Entirely rewritten. Amateur Gardeners' Handbook. Deals thoroughly with most effective handling of every growing thing in the garden and home grounds. 300 photographic illustrations. 576 pages. \$2.00.

Gardening Books

GARDENING IN THE GREENHOUSE. By Anne Dorrance. This is the first book at a popular price which tells the gardener how to plan a small greenhouse—one that will not be expensive, yet adequate, and how to grow and cultivate flowers within a limited space. 122 pages. \$1.50.

GARDEN FLOWERS IN COLOR. By G. A. Stevens. The 400 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. And in the IMPERIAL EDITION of this popular book. The 400 color plates average less than 1/2¢ apiece. Unparalleled as a picture book—ideal as a gift—valuable as a means of identifying every popular garden flower. 320 pages. Formerly \$3.75. Now \$1.98.

Book prices are not prepaid; add 10¢ per copy if your order is to go by parcel post.

We find it impossible to catalog our complete line of books, but should you be interested in any horticultural subject not covered by the above, write for our book list.

THE COMPLETE GARDEN. By Norman Taylor. A standard reference book for amateur and professional, covering flowers, trees, shrubs, lawns, landscaping, pruning, etc. Fifty pages of photographs, 4 charts and 9 color plates. 440 pages. \$1.79.

THE MODERN GUIDE FOR SUCCESSFUL GARDENING. By M. G. Kains. A practical handbook for the amateur. Non-technical and covering everything: annuals, perennials, bulbs, vines, hedges, trees, fruits, vegetables, blight and bug control, fertilization, etc. Illustrated in line. 370 pages. \$1.00.

THE GARDEN MONTH BY MONTH. By Mabel Cabot Sedgwick. Shows what and how to plan and plant to have a perennial garden that will bloom year after year and in every month from spring till fall. Over 200 photographs and a chart of 65 different colors showing the exact shade of every flower. 516 pages. \$1.98.

WILD FLOWERS. By Homer D. House. With 364 magnificent color photographs from nature. This book created a furor when it was published at the price of \$7.50 (when, under ordinary conditions, it would have been a \$25.00 book). Now, by a miracle of publishing economy, the beautiful book of 626 pages—with complete text and color illustrations and printed on fine quality paper—362 pages. \$3.95.

Hardy Garden Chrysanthemums

Large Aster Flowering

- A. BARHAM.** Large dark orange-bronze flowers.
ALADDIN. Earliest of all. Aster-like terra-cotta bronze.
CRIMSON SPLENDOR. Immense duplex blooms crimson-maroon with bright yellow center. Early.
ROSY GEM. Massive double old rose.
SUNKIST. Dwarf growth. Medium size bright orange flowers.
YELLOW NORMANDIE. Old favorite. Fluffy yellow showing buff in opening.
Price of above: 3 for 85c; doz., \$2.50; 100, \$15.00.

New and Recent Introductions

- ★**ASTRID.** New Hybrid of 1936. Dwarf growth literally smothered with large flesh-pink daisy-like flowers in early October. Extremely hardy.
MARY JANE. Big double salmon-pink flowers with creamy centers.
MISS PRIM. 1935 Introduction. Medium double cream white, pale yellow center.
MORIFOLIUM. 1936 Introduction. Panicles of ★cineraria-like bright pink flowers.
OLGA. Aster-shaped bright pink flowers.
OPAL. Double blooms of bronzy tints mingled with pink. Unusual.

- PANOLA.** Dwarf growth and early. Medium double flowers of rose-pink.
RAPTURE. Outstanding large double terra-cotta, shaded carmine, orange and bronze.
SENSATION. 1935 Introduction. Single yellow lightly tipped scarlet.
SONOMA. Double bronze. Gold tipped petals.
THE TORCH. Giant single. Burning orange scarlet.
TOPSY. 1935 Introduction. Bright yellow, decorative.
 Varieties marked ★ are chrysanthemum species or hybrids.
Price of above: 3 for \$1.00; doz., \$3.50; 100, \$20.00.

100 Strawberry Plants \$1.95

Strong Field Grown Plants, Shipped from Early Spring up to May 15

- AROMA.** Late. One of the most popular late varieties. Berry is roundish, conical, smooth and of a beautiful bright glossy red.
DR. BURRELL. Mid-season. The berries are large, delicious and beautifully formed. It ripens a few days earlier than Dunlap.
COOPER. Mid-season. The large size and the beautiful brilliant color of the berries immediately attracts the attention of every one. This variety is adaptable to a wider range of soils and climate than any other variety.
GIBSON. Medium early. Color rich red. Flavor is neither sweet nor sour, but just right for canning.
PREMIER. Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.
SENATOR DUNLAP. Mid-season. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower.
PRICE, on the above varieties, postpaid up to the 4th zone, 25 for 60c; 100 plants for \$1.75. Postpaid from 4th zone to 8th zone, 25 for 65c; 100 for \$1.85. By express, at buyer's expense, 250 for \$3.50; 500 for \$6.00; 1,000 for \$9.50.

Special Offer No. 119B.

A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for \$1.95.

TWO NEW INTRODUCTIONS

DORSETT. Early. Will undoubtedly be a leader among early, heavy cropping varieties.

FAIRFAX. Medium early. Rich in flavor, uniformly large fruit in abundance.

PRICE, 25 for 75c; 100 for \$2.00, postpaid to 4th zone. 500 for \$7.00; 1000 for \$12.00, by express.

MASTODON (Everbearing). The world's greatest everbearer because nothing like it was ever achieved before, producing nearly 6000 quarts per acre during August, September, October and November. In size, quality, flavor and appearance Mastodon heads the list.

Price, 25 for \$1.10; 100 for \$3.25, postpaid to 4th zone 250 for \$6.00; 500 for \$10.00; 1,000 for \$18.00, by express.

- ELENA.** Dwarf growth. Large double light bronze
EMMETT. 1936 Introduction. Early bronze single Dwarf and free flowering.
ILLCO. 1936 Introduction. A pink counterpart of Emmett.
JUDITH ANDERSON. Medium bright yellow pom-pom. Blooms late but exceptionally hardy.
MARISA. 1935 Introduction. Dwarf orange bronze. Single with large flowers.
NACOLA. 1936 Introduction. Early fall double bright yellow. Dwarf growth.
NATOMA. Massive double dark rose-pink.
TASIVA. Early double free-flowering white. Outstanding.
Price of above: 3 for \$1.25; doz., \$4.00; 100, \$25.00.

For other Hardy Garden Chrysanthemums and Special Offers, see page 118 and inside back cover.

Button and Pompom Type

- IRENE.** Solid white medium button.
JEWELL. Stout full button. Dark orchid pink.
SEPTEMBER BRONZE. Early light bronze pom-pom. One of the best.
Price of above: 3 for 85c; doz., \$2.50; 100, \$15.00.

Vaughan's Cannas

Cannas do well in full sun and respond quickly to fertilizing of well rotted manure. Blooming from early summer till frost, they give a gorgeous display without much expense or care.

SIX OUTSTANDING TYPES

- ***COPPER GIANT.** 4 ft. The finest variety we know. Its giant flowers, borne on strong stalks with green foliage, are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect. It bears continuously throughout the season.
EUREKA. 4 ft. Remarkably free-flowering variety with striking white flowers which first appear cream. Green foliage.
***KING HUMBERT.** 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.
***LOUIS CAYEUX.** 4 ft. Brilliant rosy, scarlet. Large trusses. Showy and attractive variety. Green foliage.
***MRS. HERBERT HOOVER.** 5 ft. A giant flowered variety. Green foliage and rich deep watermelon-pink flowers.
THE PRESIDENT. 4 ft. A rich glowing scarlet on strong stalks; green foliage.
***SUNGOLD.** 4 ft. Very bright and vivid Chinese orange with golden yellow border. Green foliage. The most vivid yellow canna.
***YELLOW KING HUMBERT.** 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red. An orchid flowering sport of the well-known variety King Humbert.

Prices of Above

Dormant 2-3 Eye Roots available Mar. 1 to April 15: 25c each; \$2.00 per doz.; \$12.00 per 100.

Three-inch Pot Plants available April 20 to June 5: 30c each; \$3.00 per doz.; \$18.00 per 100.

(*) Orchid Flowering Varieties.

TRIED AND TESTED VARIETIES

ALLEMANIA. 5 ft. Outer petals scarlet with broad yellow border, inside scarlet and dark red. Green foliage.

AMBASSADOR. 3½ to 4 ft. Bronze foliage; color, poppy red; very brilliant flowers.

***HUNGARIA.** 3½ ft. The best pink Canna. Leaves bluish green, never burn. Flowers very large, with immense petals.

MRS. ALFRED CONARD. 4 ft. Flowers salmon-pink of large size. Green foliage.

***STATUE OF LIBERTY.** 6 ft. An extremely vigorous grower. Bronze foliage and orange-scarlet flowers.

***WINTZER'S COLOSSAL.** 5 ft. A striking vivid scarlet that retains its brilliancy.

Prices of Above

Dormant 2-3 Eye Roots available Mar. 1 to April 15: 20c each; \$1.50 per doz.; \$10.00 per 100.

Three-inch Pot Plants available April 20 to June 5: 25c each; \$2.50 per doz.; \$15.00 per 100.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row. Thirteen feet—61 plants, one for center; six for first row, twelve for second row, eighteen for third row, twenty-four for fourth row.

All Canna plants F.O.B. our Greenhouses, Western Springs, Illinois. We recommend shipment by Express of four or more plants.



HUNGARIA

PENNISETUM CUPREUM

The bronzy, ornamental Grass that attracted so much attention at A Century of Progress. Needs rich soil and sunny location. Plants, 35c each; doz., \$3.00; 100, \$20.00.

Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Pot-Grown Plants and roots** of the newer varieties and strong roots of proper planting size on all other varieties listed. Pot plants we do not advise planting before May 20th. With good care and soil the pot plants make larger blooms.

KEY TO ABBREVIATIONS: F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus.



CALIFORNIA IDOL. Giant Yellow. Each: Tubers, \$4.00; Plants, \$2.00.

Outstanding Dahlias of Late Introduction

The following can be supplied in roots and plants except where noted. Pot plants ready about May 20th.

AMELIA EARHART. (S. C.) Very large, apricot-★buff with primrose at base of petals, lighted throughout with flashes of salmon. This new variety was greatly admired in the show-room last season. It has the distinction of winning two American Home Achievement Medals the first year shown. Price, each, Tubers, \$2.00; Plants, \$1.00.

AMERICA'S SWEETHEART (I. D.) An immense pure yellow informal of the finest quality. When fully open, the blooms remind one of a giant chrysanthemum. Bush is of medium height and the flowers are held upright on top of an absolutely stiff stem. This is one of the best yellows to date. Price, each, Tubers, \$2.00; Plants, \$1.00.

BUCKEYE QUEEN. (F. D.) A clear lavender or ★mallow pink that keeps when cut and is always full to center. As a lavender it fills a place almost vacant in the list of exhibition dahlias. A strong, vigorous grower with flowers six to ten inches in diameter with great depth of flower. It has many winnings to its credit. Price, each, Tubers, \$2.50; Plants, \$1.25.

CAVALCADE. (F. D.) A beautiful new shade of old ★rose or mulberry pink. Flowers seven to nine inches carried on long stiff stems. A commercial variety of as much importance as the famous Jersey's Beauty. Price, each, Tubers, \$2.00; Plants, \$1.00.

CALIFORNIA IDOL. (I. D.) In our estimation this ★was one of the best of the 1935 introductions. It is a splendid grower and the giant yellow blooms are held upright on long stiff stems. This Dahlia has many Show honors to its credit and it will be a popular variety for years to come. Very highly recommended. Each, Tubers, \$4.00; Plants, \$2.00.

CITY OF CLEVELAND. (I. D.) A new variety from Ohio that performed splendidly for us in 1935 and we are happy to recommend it. The color is a bright scarlet splashed with orange and the blooms which average from 8 to 11 inches in diameter are held upright on strong stems. Price, each, Tubers, \$2.00; Plants, \$1.00.

CORNELIA BRYCE PINCHOT. (I. D.) One of the ★best of the 1935 introductions. A glowing burgundy red of large size and perfect form. This variety has won many prizes on the show table and is recommended for exhibition purposes. Price, each, Tubers \$2.00; Plants, \$1.00.

DADDY KEMP. (I. D.) The blooms of this new variety often reach 14 inches in diameter and 5 inches in thickness. Color is a rich violet red and the plant is a robust grower. Because of the size of the flowers, the stems are inclined to droop. Price, each, Tubers, \$2.00; Plants, \$1.00.

FOREST FIRE. (I. D.) We found this new variety ★very satisfactory in every respect in 1935. It is, as the name indicates, a flashy color—lemon yellow and rich scarlet. A strong grower and profuse bloomer for such a large Dahlia. Stems are a trifle short unless carefully disbudded. Price, each, Tubers, \$2.00; Plants, \$1.00.

GOLDEN STANDARD. (S. C.) A fine new variety ★of clean outstanding appearance. Good Cactus form and the blooms, while carried at right angles on the stems, always look you right in the face. The color is buff shaded to amber and gold. Price, each, Tubers, \$2.50; Plants, \$1.25.

HILLCREST NUGGET. (I. D.) The color is nugget ★bronze with troubadour red reverse, a most unusual and attractive combination. It is a very profuse bloomer and the flowers average 9 to 11 inches in size, carried on strong stems well above the foliage. A strong robust grower. On Hart's latest Honor Roll. Price, each, Tubers, \$3.00; Plants, \$1.50.

HUNT'S VELVET WONDER. (I. D.) Here is a Dahlia of great size and beauty. The color is a rich violet burgundy and the stems and plant growth are unusually good. Fine for exhibition—a sure winner. Price, each, Tubers, \$2.50; Plants, \$1.25.



SATAN. Giant Red Cactus. Each: Tubers, \$1.00; Plants, 50c.

JESSIE CRAWFORD. (I. D.) A fine new novelty of large size and perfect formation. The color is bright orchid or violet red, stems are long and straight and the plant is a splendid grower. Price, each, Tubers, \$2.00; Plants, \$1.00.

JESSICA DRAGONETTE. (S. C.) A large semi-cactus variety in a beautiful color combination, peach, apricot, and mauve, perfectly blended. A strong vigorous grower with fine stems and tough foliage. Price, each, Tubers, \$2.50; Plants, \$1.25.

LORD OF AUTUMN. (I. D.) Declared by experts ★the finest yellow yet produced. A rich deep golden yellow 11 to 12 inches in diameter and 7 to 9 inches deep. The pointed and slightly twisted petals recurve till stem is entirely hidden for 6 inches or more, making the flower resemble a giant Chrysanthemum. The blooms are good keepers, and plant a strong grower with cane-like stems carrying the blooms well above the foliage. Price, each, Tubers, \$2.50; Plants, \$1.25.

MURPHY'S MASTERPIECE. (I. D.) A dark red ★shading toward garnet, it will withstand sun without fading or burning. The flowers grow 14 inches and over in size. The plant is a strong grower and a generous producer of large blooms held high on rigid stems. Price, each, Tubers, \$3.00; Plants, \$1.50.

MRS. GEO. LE BOUTELLIER. (I. D.) A rich velvety carmine, giant in size and outstanding in all respects. A healthy, vigorous grower with strong stems and insect resistant foliage. We had blooms of this in 1935 that were easily 14 inches in diameter. Price, each, Tubers, \$2.50; Plants, \$1.25.

OAKLEIGH MONARCH. (I. D.) A clear, brilliant ★carise red with broad petals. Very large blooms of great depth which keep well when cut. By actual test blooms have kept for seven to ten days in perfect condition. Strong, rugged grower with heavy foliage and strong stems. An Honor Roll Dahlia of great merit. Price, each, Tubers, \$5.00; Plants, \$2.50.

PRESIDENT FRANKLIN D. ROOSEVELT. (F. D.) Very large Chinese red with fawn edge and creamy reverse making a very striking bloom. Stems splendid. Fine variety and won Certificate of Merit. Price, each, Tubers, \$2.00; Plants, \$1.00.

QUEEN CITY. (F. D.) Color scarlet-pink or light ★cherry red. This new cut flower variety without question is outstanding in color and is very attractive, keeping well when cut. From May planting it produces flowers from July until frost. Strong grower with long and straight stems. Won an Achievement Medal at Indiana State Show and one in Cincinnati. Price, each, Tubers, \$7.50; Plants, \$3.75.

RED JUG. (S. C.) (Preas) Cardinal red tipped yellow, averaging ten inches diameter and five deep. It has numerous prizes and medals to its credit as an undisputed variety in 1934 and 1935, also winning certificate of merit at Storrs, 1935. The flowers have remarkable lasting qualities when cut. Price, each, Tubers, \$5.00; Plants, \$2.50.



BUCKEYE QUEEN. Lavender Each: Tubers, \$2.50; Plants, \$1.25.

TOWERS EMPIRE. (I. D.) 1935. Here is a variety ★we do not hesitate to recommend to our customers. The flowers are large, up to 14 inches, and the color is clear gold with amber shadings. Stems are exceptionally long and straight and hold the huge blooms well above the foliage. An early and prolific bloomer and a rugged vigorous grower. Do not fail to grow this splendid Dahlia. Price, each, Tubers, \$2.00; Plants, \$1.00.

WASHINGTON GIANT. (I. D.) It is unusual in form and color, a giant in size and the stems are perfect. Color is pure lavender streaked with silver. We had many blooms over 12 inches with normal culture. An Honor Roll variety which will be popular for years to come and we recommend it highly. Price, each, Tubers, \$2.00; Plants, \$1.00.

WENOKA. (F. D.) Here is a new formal decorative ★which is a giant among giants. The color is rosy mauve and the immense blooms are held upright on stems that are stiff and straight—at least 24 inches to first set of leaves. The foliage is like leather, dark green in color, and absolutely insect-resisting. Wenoka is particularly outstanding in every respect—growing habits, color and huge size. We recommend Wenoka very highly and predict that it will be a mighty popular variety for years to come. Price, each, Tubers, \$3.00; Plants, \$1.50.

CHOICE VARIETIES

CLARA BARTON. (F. D.) Face of petals silvery ★orchid, reverse of petals deep lavender. The giant blooms face slightly upward on long, straight stems, twelve inches or more to first set of leaves. Bush is of medium height and never stunts. A very free bloomer and creates a lot of attention in the garden. Price, each, Tubers, \$1.50; Plants, 75c.

CHINESE LANTERN. (I. D.) Color scarlet red, backs of petals orange yellow. We call it an improved Jersey Beacon. A very rugged grower with strong stems and dark leathery foliage. A fine new variety. Price, each, Tubers, \$1.50; Plants, 75c.

ELISSA LANDI. (F. D.) Color is jasper pink blended ★with warm buff, giving an effect of brilliant orange. Blooms average eight to nine inches without forcing, on stems of long length and strength. Plant is a strong grower and foliage insect-resisting. A profuse bloomer. On the 1933 Honor Roll and recommended highly. Price, each, Tubers, \$1.50; Plants, 75c.

FRAU O. BRACHT. (Str. C.) Color is clear pale ★primrose yellow, very clean and graceful in effect. Its distinctive form and clean-cut beauty gave it a place of honor. It is a wonderful cut flower as well as a great prize winner at the shows. Price, each, Tubers, \$1.00; Plants, 50c.

GOLDEN ECLIPSE. (F. D.) A clear golden yellow ★flower with salmon and flesh shading toward the center. A vigorous grower. Exhibition blooms may be cut with stems 3 to 4 feet long. On the Honor Roll. Price, each, Tubers, \$1.00; Plants, 50c.

HILLCREST FLUFFY RUFFLES. (I. D.) The ★color is a soft apricot, beautiful and rare. The blooms are extra large and the petals are fluffy and curled. It is a profuse bloomer with good stems and insect-resisting foliage. Price, each, Tubers, \$1.50; Plants, 75c.

HILLCREST MANDARIN. (I. D.) A beautiful informal of huge size with perfect stems and healthy habit of growth. The color is pirate red with amber reverse and the petals twist and curl very artistically. Price, each, Tubers, \$1.00; Plants, 50c.

HONORE BRIGHT. (F. D.) It has a clear self color ★of pure bright bronze and late in season a clear self orange. The stems are extra long and the plant needs no topping to produce from six to ten or more fine long upright canes. An early free continuous bloomer. Price, each, Tubers, \$1.00; Plants, 50c.

CHOICE VARIETIES

JAMES KIRBY. (I. D.) A rich crimson coloring that is of dazzling brilliance and does not fade or burn in the sun. The plant is sturdy in growth and its clean-cut foliage affords a pleasing contrast to the beautiful blooms. Price, each, Tubers, \$1.00; Plants, 50c.

JANE ROSS. (I. D.) Bright crimson overlaid with velvety maroon. Flowers of large size, depth, and substance, keeping well on the bush or after cutting. It attains a height of 5 to 6 ft., with many branches, each terminating with a giant bloom held erect. The foliage is leathery and resistant to insects. Price, each, Tubers, \$1.50; Plants, 75c.

KAY FRANCIS. (S. C.) A light lemon yellow semi-cactus, something on the order of Frau O. Bracht. This Dahlia appears to have a splendid show record, according to reports and we believe it will be a popular variety for several years. Price, each, Tubers, \$1.50; Plants, 75c.

KENTUCKY RED. (I. D.) This Dahlia is a favorite with us and our visitors on account of its brilliant scarlet red color—there is no color just like it. Blooms 8 to 11 inches on long, stiff stems. The bush is a strong insect-proof grower. Price, each, Tubers, \$1.00; Plants, 50c.

KING OF THE BLACKS. (F. D.) Darkest rich velvet red, almost black. Compact, vigorous grower. Bush is low and spreading with blooms high above the foliage. Price, each, Tubers, \$1.00; Plants, 50c.

LOUIS BATES. (S. C.) Mallow pink with dark phlox purple center. Giant blooms on perfectly straight stems. Price, each, Tubers, \$1.50; Plants, 75c.

MYRA HOWARD. (I. D.) A very worthy dahlia of a glowing combination of yellow cadmium and gold with tints of salmon. Petaloid formation which, with its delicate coloring, makes a most pleasing large bloom. Price, each, Tubers, \$1.00; Plants 50c.

MRS. G. M. MIDDLETON. (I. D.) 1935. This new dahlia probably attracted as much attention as any variety in our 1935 planting, because of its enormous size and extremely dark red color. It is unquestionably the nearest to a black dahlia we have seen. Blooms up to 15 inches in diameter on strong, stiff stems and a thrifty grower. Price, each, Tubers \$1.50; Plants, 75c.

MAN O'WAR. (I. D.) One of the best dark reds on the market. A strong, vigorous grower with giant blooms, long straight stems and insect-proof foliage. The color is rich, dark carmine red with plenty of glow and life. Price, each, Tubers \$1.50; Plants 75c.

ORIENTAL GLORY. (I. D.) Color is cadmium orange overlaid with scarlet. Center and reverse heavily shaded scarlet. Is a strong grower and free bloomer. The large flowers are carried on strong stems well above the foliage. Price, each, Tubers, \$1.00; Plants, 50c.

PALO ALTO. (S. C.) The color of this fine dahlia is bright salmon with deep primrose shading at the center. The flowers of good substance and size up to 12 inches across by 6 inches in depth, held high above the foliage on straight, stiff stems. A strong healthy grower. An Honor Roll dahlia of great merit. Price, each, Tubers, \$1.50; Plants, 75c.

PEACH BEAUTY. (F. D.) A beautiful peach-colored variety. A very free bloomer with medium-sized flowers carried on strong, straight stems well above the foliage. Strong, upright grower attaining a height of 6 to 7 feet. Price, each, Tubers, \$1.00; Plants, 50c.

RUBY TAYLOR. (I. D.) A prize winner which has star with instant approval wherever grown. The color is carmine and the large deep blooms are supported by perfect, long stiff stems. Price, each, Tubers, \$1.00; Plants, 50c.

RUDY VALLEE. (S. C.) Reddish apricot, gold center. Really spectacular. It has size, beauty, keeping qualities and is very attractive. Flowers are full-centered and are held well above the clean-cut foliage on long, straight stems. Growth vigorous. Price, each, Tubers, \$1.00; Plants, 50c.

SULTAN OF HILLCREST. (F. D.) One of the largest we have ever grown. Color, strontian yellow with sunrise yellow reverse. Good, strictly formal decorative are scarce and this dahlia will be a welcome addition to every garden. Blooms up to 14 inches are not uncommon and the bush habits and foliage are perfect. Price, each, Tubers, \$1.50; Plants, 75c.

SATAN. (S. C.) A flaming red cactus with a slight touch of gold at the center. The exquisite coloring is fascinating. The blooms regularly measure from 10 to 12 inches in diameter and 6 inches in depth. Price, each, Tubers, \$1.00; Plants, 50c.

SUPREME KING. (F. D.) A bright, very pleasing color American Beauty rose. Of good substance and good keeper. Excellent plant growth, free bloomer, flowers 10 inches across, stems perfect. Price, each, Tubers, \$1.00; Plants, 50c.

PINK TONES

Roots Only

BUCKEYE BRIDE. (F. D.) A geranium-pink, a rare star and beautiful shade. The flower is large, held at a correct angle on the stem, and the stems are always long and perfect. It keeps well when cut. The heavy foliage successfully resists sucking insects and mildew. Price, each, 50c.

CONGRESSMAN WOLVERTON. (I. D.) Bright salmon-pink. Strong upright grower with long, stiff stems. Price, each, 50c.

COUNTESS OF LONSDALE. (Str. C.) A delicate apricot shading towards the edges of the petals to carmine-pink. Early. Price, each, 35c.

DOROTHY STONE. (I. D.) A true deep shade of pink. Very full center, petals thick and evenly placed. A profuse bloomer. Price, each, 35c.

DR. JOHN H. CARMAN. (F. D.) A large, deep, broad petaled tyrian rose flower tipped petunia and silver borne on stiff and heavy stems. Price, ea., 50c.

ELLINOR VANDERVEER. (F. D.) A rich glowing satiny rose-pink. The large blooms are of great depth. Price, each, 35c.

GLADYS BATES. (Str. C.) Large perfect flowers with incurved petals of a golden salmon, reverse of rose, giving the effect of a golden old rose. Price, each, 35c.

JERSEY'S BEAUTY. (F. D.) It is still in a class by itself. A perfect bloom of eosine pink, carried high above the foliage on a long, wiry stem. Price, each, 35c.

JOSEPHINE G. (S. C.) A beautiful, true rose pink flower with petals tipped yellow. Very well recommended. Price, each, 50c.

MARSHALL'S PINK. (F. D.) Color a beautiful delicate pink. Jersey Beauty formation produced on long, stiff stems. Price, each, 50c.

Special Combination Offer
of Dahlias Postpaid to 5th Zone

No. 90. One each California Idol, Hillcrest Nugget and Winoka.
The 3 for.....\$7.70

No. 90-A. One each Daddy Kemp, Jessica Dragonette and Towers Empire. The 3 for.....\$4.90

No. 90-B. Chinese Lantern, Mrs. G. M. Middleton and Sultan of Hillcrest. The 3 for.....\$3.45

No. 90-C. Jane Ross, Kentucky Red, Oriental Glory and Satan. The 4 for.....\$3.45

No. 90-D. Grace Curling, Girl of Hillcrest, Jean Trimbee, Mrs. L. L. Hook and White-Wonder. The 5 for.....\$2.85

No. 90-E. Buckeye Bride, Josephine G., Omar Khayyam, The Commodore, W. H. T. and W. H. Hogan. The 6 for.....\$2.30

No. 90-F. Avalon, Gertrude Brinton, Ida Perkins, Kentucky, Marshalls Pink, and Rose Fallon. The 6 for.....\$1.75

No. 90-G. Jane Cowl, Jersey's Beauty, Monmouth Champion and Mrs. Ide Ver Warner. The 4 for.....\$1.00

No. 90-H. Baachus, Eureka, Little Herman, Nellie Frazer, Rosa Wilmoth, Snowclad, Vivid and Yellow Gem. The 8 for.....\$1.50

No. 90-I. A. D. Livoni, Gold Medal, Mars, Mary Helen and Maude Adams. The 5 for.....\$1.00

No. 90-J. One each of the eight Miniature Dahlias for.....\$4.15

No. 90-K. One each of the seven New Dwarf Dahlias in pot grown plants only for.....\$5.40

★Varieties indicated by Star are of outstanding merit.

PINK TONES—Roots Only—Continued.

MRS. IDE VER WARNER. (F. D.) A refined mauve-pink beautifully formed. Large blooms carried on long strong wiry stems. A free continuous bloomer. Price, each, 25c.

MRS. A. B. SEAL. (I. D.) A pure rich glowing old rose without trace of other color. Long stems, stiff and straight, hold the large blooms well above the foliage. Price, each, 50c.

PAPILLON. (S. C.) A highly rated cactus dahlia. It is of beautiful formation and coloring, being a blend of old rose and gold. Price, each, 35c.

W. H. T. (F. D.) A rich old rose with mauve shading on reverse. A long-stemmed variety of perfect petal formation and healthy growing habit. Foliage dark green and insect-resisting. Price, each, 50c.

RED TONES

Roots Only

BAGDAD. (F. D.) An immense flower of flaming scarlet-red, borne high above the foliage so that it may be seen all over the garden. A prolific bloomer, flowers are of great size and fine for exhibition. Price, each, 50c.

CITY OF WELLSTON. (F. D.) Rhodamine purple. Easily one of the most beautiful dahlias in our gardens. Flowers of large size and perfect quality on long, straight stems. An early and prolific bloomer and blooms continuously until frost. A strong, healthy grower and the flowers are unexcelled for cutting. Price, each, 50c.

COQUETTE. (S. C.) A very large, deep flower of red and gold. Price, each, 50c.

DWIGHT W. MORROW. (I. D.) An immense cardinal red dahlia—unusually rich in color and quality. This variety always attracts very much attention in our gardens. The massive flowers, which reach a size of 10 inches across by 6 inches deep, are sometimes supported with difficulty by the stems on account of the weight. Price each 75c.

FLORENCE FLORY. (S. C.) Dark maroon, almost black. A perfect semi-cactus of immense size. Flowers carried on strong, wiry stem well above the foliage. Strong grower with heavy foliage. Price, each, 75c.

FORT MONMOUTH. (F. D.) A rich crimson maroon with a hue of bluish violet at tips of petals. Free bloomer and foliage is dark green. Flowers frequently 13 in. in diameter. Price, each, 75c.

GERTRUDE BRINTON. (F. D.) True brick red. Large well shaped flowers carried on strong stems. Plant strong with heavy foliage of medium height. Price, each, 35c.

GOODNIGHT. (I. D.) A monster in size and the rich color of oxblood red shaded maroon; is the greatest attraction in the garden and in the show room. Price, each, 75c.

JACK ROSE. (F. D.) Bright carmine-red overlaid violet, resembling the color of the rose of the same name. A splendid variety. Price, each, 25c.

JERSEY'S BEACON. (F. D.) The color is Chinese-scarlet with a paler reverse giving a two-toned effect. Flowers are very large and globular in form. Price, each, 35c.

MINA BURGLE. (I. D.) Flowers of gigantic size. A most glowing brilliant scarlet. Price, each, 35c.

MONMOUTH CHAMPION. (F. D.) Color a brilliant orange flame. Extra large blooms carried on perfect stems well above foliage. A consistent prize winner in every show. Price, each, 35c.

MRS. A. E. WHEELER. (F. D.) Fuchsia shading purple, reverse silvery white. Fine, well-shaped flowers carried well above the foliage on fine stems. Good grower of medium height. Price, each, 75c.

MRS. L. L. HOOK. (F. D.) Many excellent reports were received by us on the performance of this dahlia the past season—it is entirely different from the average run of dahlias, both in petal formation and plant growth. The color, blended shades of gorgeous purple, lighter on reverse. Beautiful, large blooms with wide pointed petals. The bush is hardy, tall and positively insect-resisting—never stunts. Price, each, 75c.

OMAR KHAYYAM. (F. D.) A Chinese red at the base of petals, shading to a bright orange with paler tips, giving a soft effect. The flowers can easily be grown over 10 inches. Price, each, 50c.

PRINCE OF PERSIA. Rich glowing crimson. Great size and substance, often 9 to 11 inches across. Strong grower. Price, each, 75c.

PORTHOS. (F. D.) Sparkling deep red flowers of magnificent size and even form. A robust profuse bloomer. Price, each, 25c.

THE WORLD. (F. D.) A rich, deep rosy magenta overlaid garnet and with silver shadings on the edges of the petals. The stems are perfect. Foliage heavy and resistant to insects. Price, each, 50c.

W. H. HOGAN. (F. D.) Garnet red with white tips running down the center of the petals, every petal coming true to color. One of the best variegated dahlias to date. Price, each, 50c.

ORANGE TONES

Roots Only

- EDNA FERBER.** (S. C.) Color glistening coral, shading to old gold at base of petals. The size and beauty of this flower still attracts much attention. The petals are curled and twisted, forming an extremely full flower. Price, each, 50c.
- GIRL OF HILLCREST.** (I. D.) Color is apricot-buff or cadmium-orange. A vigorous grower with long stems. You will derive a great deal of pleasure from growing this fine variety as it blooms early and continuously. Price, each, 75c.
- HERCULES.** (F. D.) A giant bloom of tangerine and deep yellow with reverse of petals a deep tangerine. Price, each, 50c.
- KENTUCKY.** (F. D.) A brilliant salmon-orange shading to grenadine-pink on outer petals. This dahlia has the same ideal characteristics as Jersey Beauty of which it is a sport and apparently a stronger grower. Price, each, 35c.
- PRIDE OF STRATFORD.** (I. D.) A large two-tone orange variety with a very deep reverse. Vigorous growing plant. Price, each, 35c.
- ROSE FALLON.** (F. D.) Color dark orange tinted with amber and salmon. Massive blooms stand well above a vigorous growing bush. Price, each, 35c.
- SAGAMORE.** (F. D.) An exceptionally fine exhibition or cut flower of a golden color, shaded toward the center with warm salmon-rose or orange-buff. Stems straight and stiff. Price, each, 35c.

WHITE TONES

Roots Only

- CHEMAR'S EUREKA.** (F. D.) One of the most beautiful white dahlias with a faint tinge of lavender on edge of petals. Flowers produced freely on long, stiff stems, are of exhibition size. Plants are of tall habit of growth with dark green foliage. Price, each, 35c.
- IDA PERKINS.** (F. D.) A good garden and exhibition white dahlia with most excellent habits. Price, each, 35c.
- JEAN KERR.** (I. D.) A snow white dahlia. A very free bloomer with medium size bloom of perfect shape. Fine cut flower variety. Price, each, 35c.
- MARGARET WOODROW WILSON.** (I. D.) Face of petals creamy white, reverse Phlox-pink. Petals broad and well placed, terminating in points, strong upright stems, dark green foliage. Medium height bush. Price, each, 35c.
- STAR OF BETHLEHEM.** (S. C.) Flowers are pure white with fine pointed petals with large tight center. Free bloomer and needs disbudding and pruning, plant will then produce fine exhibition blooms. Medium to tall habit of growth with heavy foliage. Price, each, 75c.
- WHITE WONDER.** (I. D.) This sensational variety is truly a white Fort Monmouth. The giant blooms are pure white with long, twisted and curled petals, size 12 to 14 inches across by 7 to 9 inches in depth. Foliage thick, leathery-like and resistant to insect attacks. For exhibition purposes it can't be beat. Price, each, 75c.
- WHITE KING.** (F. D.) A pure white, large flowering dahlia of very beautiful form and substance. Free flowering on long stems. Splendid for the garden cutting or for exhibition purposes. Price, each, 35c.

AUTUMN TONES

A Combination of Several Colors

- CITY OF TRENTON.** (I. D.) Fine autumn-colored dahlia; front of petals tangerine, reverse strawberry-red; flowers are very large, held erect on fine long stems. Price, each, 50c.
- BARBARA REDFERN.** (F. D.) Color is a delightful blend of old rose and old gold, of immense size and great depth, flowers borne on heavy stiff stems. Price, each, 35c.
- JANE COWL.** (I. D.) A large flower of a warm buff and old gold, blending to a bright salmon at the center. The giant flowers are held aloft on rigid stems. A superb dahlia. Price, each, 35c.
- NATHAN HALE.** (F. D.) A rich autumn bronze of medium size and an excellent keeper. It is much prized by private gardeners for its ability to produce an abundance of blooms. Price, each, 35c.

LAVENDER AND VIOLET TONES

Roots Only

- CLAUDE HARLEM.** (I. D.) Large flower of a beautiful clear lavender. The petals have a soft wavy appearance. Price, each, 35c.
- GRACE CURLING.** (I. D.) Large size lilac blooms of beautiful form with notched petals. Very broad florets. No disbudding or trimming to have equally as large blooms at the end of the season as when they first bloom. Price, each, 75c.
- HARRY MAYER.** (F. D.) Color is a silver-lavender with the reverse of the petals deep lavender. Sturdy growing habit and heavy texture. Price, each, 35c.
- HELEN IVINS.** (F. D.) A beautiful orchid-lavender large and deep and borne on splendid stems. Price, each, 35c.
- JEAN TRIMBEE.** (I. D.) Color of richest deep peatonia violet, of immense size, borne well above the foliage on stiff rigid stems. A free bloomer of strong, vigorous habit. Price, each, 75c.



NEW DWARF DAHLIA ELSIE

- KEMP'S VIOLET WONDER.** (I. D.) The predominant color is a rich Naphthaline-Violet with underlying tone of royal purple, lightening to bluish violet at tips with lavender reverse. Price, ea., 75c.
- MARY ELLEN.** (F. D.) Color lavender pink, but more lavender than pink. Centers are closed the entire season, stems long and strong holding the bloom facing. Price, each, 50c.
- OLGA KUDLICK.** (F. D.) Light lavender-pink. Strong vigorous grower with heavy foliage. Price, each, 35c.
- SANHCAN'S BLUEBIRD.** (I. D.) The color is a most uncommon shade. The outer petals at maturity are bright violet-blue, while the center retains the violet tint, the nearest approach to a Blue Dahlia. Price, each, 50c.
- THOMAS A. EDISON.** (F. D.) A royal purple with a brilliant rich finish. The size is large and the petals are of a stag-horn formation. Has every desirable habit including a rich green foliage. Price, each, 75c.

YELLOW TONES

Roots Only

- AVALON.** (I. D.) Pure, clear yellow. The large flowers are very distinct and produced in great abundance. Price, each, 35c.
- FRANK MILLER.** (F. D.) Bright golden yellow. Fine large blooms on long, stiff stems. A prolific bloomer and a strong, thrifty grower. This variety has a place in every garden. Price, each, 50c.
- KING MIDAS.** (I. D.) Large rich golden yellow flowers on good stems. Price, each, 35c.
- PENN CHARTER.** (I. D.) A very attractive, well-formed dahlia of exhibition size with good center and stem. Color is a clear golden yellow, tinted apricot, and is a deep massive graceful flower. Price, each, 35c.
- SEAL'S CALIFORNIA.** (F. D.) The color is a bright golden-yellow at the center, shading lighter. A very large, attractive dahlia with perfect stems, strong and cane-like holding the blooms in a very showy manner. Price, each, 50c.
- SON OF COMMODORE.** (I. D.) We like this variety much better than its namesake—it has longer stems better keeping qualities and growth habits. The color is martin's yellow with white reverse. Blooms are enormous in size, often reach 12 inches under normal culture. The plant is a strong, healthy grower about 5 feet tall. Price, each, 75c.
- THE COMMODORE.** (I. D.) A brilliant lemon-yellow with large blooms. Plant is a medium grower with spreading habit and of sturdy growth. A prolific bloomer, the bushes being literally covered with blooms throughout the season. Price, each, 50c.

MINIATURE DAHLIAS

Roots Only

- BABY JERSEY.** (F. D.) Rose pink with form and habits of Jersey's Beauty. Price, each, 75c.
- BABY ROYAL.** (S. C.) One of the finest miniatures of salmon-pink shaded apricot. A good cut flower as it is exceptionally free flowering. A graceful blossom on long, wiry stem. A great prize winner wherever exhibited. Price, each, 75c.
- BISHOP OF LLANDOFF.** (Peo.) Brilliant rich red blooms in contrast to the dark bronze-black foliage make it outstanding in the garden. A most unusual variety. Don't fail to add it to your collection. Price, each, 75c.

MINIATURE DAHLIAS—Roots Only—Continued.

- FAIRY.** (F. D.) Described as a miniature Jersey's Beauty, but lighter in color. A violet-rose shading mauve at tips. A very early and continuous bloomer that keeps wonderfully well when cut. Price, each, 75c.
- KISS MEE.** (S. C.) A very unusual bi-color of about four inches in diameter. The base color is garnet-red with the petals edged and tipped white. An exceedingly free bloomer and a splendid cut flower. Price, each, 75c.
- LITTLE JEWEL.** (F. D.) The tiniest European miniature of bright pink. A perfect "little jewel." Splendid for table decoration. Price, each, 50c.
- NESTHAKCHEN.** (I. D.) Color buff suffused soft lilac. An artistic miniature when pastel shades are desired. Free flowering and good growing habits. Price, each, 75c.
- SWEETHEART.** (S. C.) Color ochreous buff suffused rose-red which is a fine companion for Baby Royal. Low growing bushes always covered with blooms. Price, each, 50c.

NEW DWARF DAHLIAS

For Pot Culture and Landscape Planting

The wonderful new race of Dahlias primarily introduced for greenhouse blooming in pots, not only serve well in this respect but are also unusually useful for planting in borders in the garden. The habit of the plant is compact and dwarf, producing flowers when they are a little over a foot in height after forming only a very few pairs of leaves.

These can only be supplied in pot grown plants at \$1.00 each, except where noted.

- CHRISTINE.** Pure white, dainty flowers of small size, are very freely produced.
- EASTER GREETING.** Dwarf. Pure waxy white blooms held erect on good stems. Very free flowering. Price, each, 75c.
- ELSIE.** Deep golden yellow at center, passing to rich orange-carmine towards the tips of the petals. Flower of good size and excellent form. Free and vigorous semi-cactus.
- GERTRUDE.** Clean sulphur-yellow. Good size very compact either as a pot plant or in the border.
- KATE.** Bright orange scarlet. Bright showy flowers are of formal contour. A formal decorative.
- ROSALIE.** Lilac rose, paler toward the center. Attractive and useful both in pots and in the garden.
- URSELLA.** An intense crimson informal decorative with carmine reverse. Flowers large.

SHOW OR BALL SHAPED

Price any of the following, each 25c, except where noted

- A. D. LIVONI.** A beautiful soft pink flower with ★quilled petals.
- GOLD MEDAL.** Autumn coloring, deep yellow, ★tipped dark crimson. A striking flower. Price, each, 35c.
- MARS.** Bright scarlet, well formed flowers.
- MARY HELEN.** A primrose colored ball. One of ★the best ball type. Price, each, 35c.
- MAUDE ADAMS.** A pure snowy white, very effective ★tively overlaid clear delicate pink.
- MRS. C. D. ANDERSON.** Rich, clear purple. ★Price, each, 35c.
- MRS. JOHN BOWMAN.** Large, golden yellow.
- YELLOW DUKE.** A splendid primrose-yellow of ★good form and strong stem.

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

Price any of the following, each 25c, except where noted

- ANNA VON SCHWERIN.** Delicate, light pink blending to nearly white center. Price, each, 35c.
- AMBER QUEEN.** Fine deep amber with apricot suffusions. Price, each, 35c.
- BACCHUS.** Clear, bright red rounded and full.
- CATHERINE.** Bright yellow. Good form and stem.
- EUREKA.** Yellow shading to bronze.
- JOE FETTIES.** Pure white, long stems.
- LITTLE IRENE.** Light yellow.
- LITTLE HERMAN.** Deep red, tipped white; very free.
- NELLIE FRAZER.** Light ground tipped rose.
- NORA REYNOLDS.** Indian red, very fine. Price, each, 35c.
- ROSA WILMOUTH.** Small fine formed rose-pink. Price, each, 35c.
- SNOWCLAD.** The best pure white pompon.
- SUNSET.** Brilliant orange-scarlet.
- VIVID.** Bright scarlet, very fine.
- YELLOW GEM.** A perfect neat, bright yellow.
- DAHLIA TUBERS.** To color. In white, pink, yellow, red or variegated. Price, each, 15c; doz., \$1.50, postpaid.



BETTY UPRICHARD



ECLIPSE—Pat. No. 172



CRIMSON GLORY—Pat. No. 105



CHARLES P. KILHAM

Vaughan's Garden Roses

PATENTED HYBRID TEAS

DICKSON'S CENTENNIAL. (Plant Patent applied for.) Alex. Dickson & sons, 1937. New red rose with long pointed buds opening to rich strawberry red with velvety sheen and lustrous shading of deeper red and black. Price: Dormant, each, \$2.00. Potplants, each, \$2.15.

SIGNORA. (Plant Patent No. 201.) An Italian rose of promise. Long buds of warm burnt sienna opening lighter towards mandarine. Tall growth and handsome foliage. Price: Dormant, each, \$2.00. Pot Plants, each, \$2.15.

Price of the following varieties:

Dormant Roses, 12 for \$15.00; each \$1.50
Pot Plants, 12 for \$18.00; each \$1.70

ALEZANE. (Plant Patent No. 116.) Urn-shaped buds of brown, opening to sorrel and light apricot with slight yellow veins. A striking rose.

ECLIPSE. (Plant Patent No. 172.) Introduced in 1936, this rose is internationally famous. Long streamlined buds of rich gold opening to large golden yellow blooms.

FEU PERNET DUCHER. (Plant Patent No. 103.) Creamy orange buds, heavy markings of carmine. Opens to shapely blooms of deep yellow with lighter edges flushed pink. Highly perfumed.

GLOAMING. (Plant Patent No. 137.) (J. H. Nicolas, 1935.) Vigorous grower of great cut flower value. Buds and flowers are large and well formed. Soft satiny pink suffused with salmon and amber.

MATADOR. (Plant Patent No. 170.) (Van Rossem, 1935.) Vigorous and healthy growth. Large, well-formed and very fragrant blooms of deep scarlet crimson with darker silky sheen on the reverse.

NIGRETTE. (Plant Patent No. 87.) The Black Rose of Sangerhausen. The darkest of all roses. A new European rose with cup-shaped flowers of deepest maroon with blackish velvet sheen.

RADIANT BEAUTY. (Plant Patent No. 97.) A very worthy red rose with good characteristics. Medium red blooms with an egg shell finish rather than satiny or velvety. Vigorous and hardy.

WHITE BRIARCLIFF. (Plant Patent No. 108.) (Lens, 1933.) A new white rose of continuous bloom and good branching growth. Perfectly formed.

Price of the following varieties:

Dormant Roses, 12 for \$12.50; each, \$1.25
Pot Plants, 12 for \$15.00; each, \$1.45

AMELIA EARHART. (Plant Patent No. 63.) Flowers large and very full. Deep yellow center graduating to creamy yellow petals with a blush overtone.

BETTER TIMES. (Plant Patent No. 23.) (J. H. Hill Co., 1934.) An outstanding rose. Firm texture, large double flowers of brilliant cerise pink.

CARILLON. (Plant Patent No. 136.) (J. H. Nicolas.) A bedding rose of vigorous, branching growth. Long pointed buds of orange scarlet opening to large flowers of dark coral overcast orange.

CARRIE JACOBS BOND. (Plant Patent No. 158.) A wonderful new rose with large double blooms on long stems. Color a deep rich rose enhanced by a luminous coral sheen.

CRIMSON GLORY. (Plant Patent No. 105.) (Kordes, 1934.) Well-formed flowers of an intense deep vivid crimson shaded ox-blood red and melowered by a soft velvety nap. Vigorous growth.

★Varieties indicated by star are of outstanding merit for garden planting.

NEW PATENTED HYBRID TEA ROSES—Cont.

GLOWING SUNSET. (Plant Patent No. 104.) (Wilhelm Breder) (Kordes, 1934.) An indescribable combination of orange-yellow and rose-pink. Blooms have an alluring fragrance.

MME. COCHET-COCHET. (Plant Patent No. 129.) Long pointed buds of coppery pink, flushed orange, open to 4½-inch flowers of splendid form, with the color changing to soft satiny pink with attractive tints. Sweet honey-like fragrance.

ROCHESTER. (Plant Patent No. 131.) (J. H. Nicolas, 1934.) Foliage heavy and disease resistant. Growth vigorous and flowering very continuous. Full double blooms, creamy yellow with an iridescent pearl. Reverse of petals tinted carmine.

SYMPHONY. (Plant Patent No. 79.) (Pink Frau Karl Druschki.) Massive blooms of perfect form. The buds are bluish pink opening to a lovely ethereal rose with deep pink center.

Price of the following five varieties:

Dormant Roses, 12 for \$10.00; each, \$1.00
Pot Plants, 12 for \$12.00; each, \$1.20

COUNTESS VANDAL. (Plant Patent No. 38.) Perfect pointed buds, opening to large blooms of coppery pink and gold. Of unusual vigor, it blooms unceasingly all summer until frost.

LITTLE BEAUTY. (Plant Patent No. 149.) New everblooming rose of outstanding value for garden use and fine for cutting. Color is a brilliant cerise which ages into a soft deep pink.

MARY HART (Red Talisman). (Plant Patent No. 8.) A unique sport of Talisman, strikingly beautiful. Maroon-red buds, opening to well-formed blossoms of velvety red; excellent for cutting.

SOUVENIR (Golden Talisman). (Plant Patent No. 25.) A superb garden variety and a prolific producer of rich, deep golden yellow, fragrant flowers.

TEXAS CENTENNIAL. (Plant Patent No. 162.) A sport of President Hoover. Buds are blood red opening to cerise red. Very striking variety.

SPECIAL OFFER: One each Countess Vandal, Mary Hart, Souvenir and Texas Centennial, dormant (value \$4.00) for \$3.35; potted (value \$4.80) for \$4.00.

TOM THUMB

"WORLD'S SMALLEST RED ROSE"

Plant Patent No. 159

Crimson. A tiny gem for rockery, border or pool's edge. For Conservatory. Dwarf grower. Hardy. Flowers rich crimson, white center, studded with gold stamens. Popular for Flower Shows and Gifts.

\$1. each; 3 for \$2.50; 12 for \$10.

ROSA Roulette

New Miniature or Lilliput Rose. A dwarf rose of the Everblooming class, hardy, height 6 to 8 inches, double dark pink blooms in profusion. Fine for rock gardens, edging or solid beds.

Plants, 3 for \$1.00; doz., \$3.50.

STANDARD HYBRID TEAS

The Hybrid Tea Roses bear their glorious blooms profusely from June until late Fall. In severe winter climates they need proper winter protection.

Price of the following varieties:

Dormant Roses, 12 for \$6.50; each 65c

Pot Plants, 12 for \$9.00; each 85c

BETTY UPRICHARD. Pointed buds and large blooms of delicate salmon-pink, reverse carmine with coppery sheen. Very fragrant.

DAME EDITH HELEN. (A. Dickson & Sons, 1926.) Strong and active in growth. Buds are shapely and substantial, opening to superb clear pink flowers.

DUCHESS OF WELLINGTON. Intense saffron yellow stained with deep crimson. Delightful fragrance and unusual coloring.

EDITH NELLIE PERKINS. (A. Dickson & Sons, 1928.) Long pointed buds, petals cream, blush and salmon pink shaded to golden orange at base.

GENERAL MacARTHUR. Rich crimson-scarlet, well-shaped flowers and very fragrant. Good disease-resistant bedding rose.

GRUSS AN TEPLITZ. Rich scarlet shading to crimson, very fragrant. A vigorous grower and one of the best outdoor bedding varieties.

KAISERIN AUGUSTE VIKTORIA. Well formed creamy buds, snow white blooms of perfect form.

MARGARET McGREDY. Comparatively new and is a striking variety. Large Oriental red blooms, rich color and vigorous, bushy growth.

MME. BUTTERFLY. A glorified sport of Ophelia. A harmony of bright pink, apricot and gold.

MME. CAROLINE TESTOUT. Large flowers of satin rose, shaded lighter toward the edges of petals.

MME. EDOUARD HERRIOTT. Moderately fragrant coral-red blooms, shaded yellow and light scarlet.

MME. JULES BOUCHE. White, sometimes with blush center. A full double fragrant rose.

MRS. A. R. BARRACLOUGH. A large pink rose with clear light yellow shading at base of petals.

MRS. CHARLES BELL. A splendid shell pink with salmon shadings. Strong vigorous grower.

MRS. ERSKINE PEMBROKE THOM. (Howard & Smith, 1926.) An unfading yellow with dark healthy foliage. Slender yellow buds opening to well shaped canary yellow blooms.

MRS. LOVELL SWISHER. A vigorous grower and good producer. The flowers are coppery salmon at base merging to salmon-pink at the tips.

RADIANCE. Brilliant rosy carmine, shaded with pink, large, full, of fine form. A constant bloomer. **RED RADIANCE.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. A fine variety for outdoor planting.

SOUVENIR DE CLAUDIUS PERNET. Flowers sunflower-yellow, unfading even in the warmest weather; foliage brilliant green.

TALISMAN. (Montgomery Co., 1929.) A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals.

VISIT VAUGHAN'S ROSE GARDEN

You are invited to inspect our rose garden, at West Forty-seventh street and Willow Springs road, Western Springs, Ill., where both new and old varieties may be inspected.

All our Roses are hardy, Northern grown, 2-yr. No. 1 grade.

NEWER HYBRID TEAS

Price of the following varieties, except where noted:

Dormant Roses, 12 for \$7.50; each 75c
Pot Plants, 12 for \$10.00; each 95c**CALEDONIA.** Beautiful shapely white of good size and moderately fragrant.**CHARLES P. KILHAM.** Double flowers and buds of blazing scarlet-orange, opening to bright orange-pink with a fiery center. Continuously in bloom.**E. G. HILL.** (E. G. Hill Co., 1929.) Long, perfectly formed buds opening to full double flowers of dazzling scarlet, shading to deeper red.**EDITOR McFARLAND.** Exceptionally fine deep pink variety. Fine producer, good grower, and excellent cutflower. Of good fragrance and healthy growth. Dormant, each, \$1.00; 12 for \$10.00. Pot Plants, each, \$1.20; 12 for \$12.00.**ETOILE D'HOLLANDE.** A most popular garden rose. Brilliant crimson red. See page 2.**GOLDEN DAWN.** Splendid yellow rose for outdoors. Buds lemon yellow, splashed with crimson; opens to sweetly scented sunflower yellow blooms.**HINRICH GAEDE.** Kordes 1931. Unusual and different. Long pointed Nasturtium-red buds. Big double blooms of rich luminous vermilion shaded golden yellow. Dormant, each, \$1.25. Pot Plants, each, \$1.45.**JOANNA HILL.** (J. H. Hill Co., 1928.) A new yellow rose with an orange heart. See Page 2.**LEONARD BARRON.** (J. H. Nicolas, 1932.) A new type rose created by crossing with the Eskimo wild Rose. Always in bloom with mammoth flowers in salmon with amber glow. Extremely hardy, also slightly perfumed. Price: Dormant, each, 75c. Pot plants, each, 95c.**McGREDY'S SCARLET.** Lovely tea scented brilliant scarlet blooms with bright orange base.**MEYROUW G. A. VAN ROSSEM.** Brownish yellow flowers strongly shaded coppery pink. A most unusual color combination.**MME. JOSEPH PERRAUD.** A rose of sublime beauty. Long, slender, pointed, Nasturtium orange buds which open to sweetly fragrant flowers of a charming Nasturtium buff straying to a lovely shade of shell pink. Price: Dormant, each, \$1.50. Pot Plants, each, \$1.70.**MRS. PIERRE S. DU PONT.** Buds of reddish gold opening into fragrant golden yellow flowers.**MRS. SAM McGREDY.** McGredy 1929. Exceptionally good all purpose variety. Well-shaped blooms of coppery scarlet-orange, outside of petals heavily flushed with red.**PRESIDENT HERBERT HOOVER.** Deep copper red buds, opening to a lovely blend. See Page 2.

DWARF POLYANTHA ROSES

The interesting Polyanthas are everblooming just like the Hybrid Teas but their miniature blooms are borne in clusters. They will endure fairly severe winters with slight protection.

Dormant Roses, 12 for \$6.50; each, 65c
Pot Plants, 12 for \$9.00; each 85c**CECILE BRUNNER.** (The Sweetheart Rose.) Soft, pink on a background of creamy white.**CRIMSON BABY RAMBLER.** Still a favorite. Flowers in clusters, the foliage dark and glossy.**ECHO.** Pale pink double clusters in great profusion.**GLORIA MUNDI.** Newly introduced. Full double of the most brilliant orange scarlet imaginable.**GOLDEN SALMON.** New. Large clusters of striking reddish orange flowers, a striking color.**IDEAL.** A rich lustrous garnet. The flowers are produced in very large trusses and are very effective.

HARDY HYBRID PERPETUAL ROSES

These are the well known June Roses. Many big, sweetly scented, globular shaped roses in June. Reliably hardy for average Chicago winters.

Dormant Roses, 12 for \$6.50; each, 65c
Pot Plants, 12 for \$9.00; each, 85c**FRAU KARL DRUSCHKI (WHITE AMERICAN BEAUTY).** Pure white, long, immense buds and perfectly double flowers.**GEN. JACQUEMINOT.** Bright shining crimson, shapely buds, fragrant.**HARRISON'S YELLOW (AUSTRIAN BRIAR).** The Hardy Yellow Rose of olden times. Deep golden yellow, semi-double and very hardy.**MAGNA CHARTA.** An old favorite. Very double flowers, bright pink suffused carmine, fragrant.**MRS. JOHN LAING.** A soft delicate pink with a satiny sheen; very fragrant, fully double.**PAUL NEYRON.** This magnificent rose is by far the largest variety in cultivation. Very double and full, deep rose and delightfully fragrant.**ULRICH BRUNNER.** A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.See Rose Collection on Page 2
Ask for our leaflet "How
to be Successful with Roses."

Hardy Climbing Roses

Attention is invited to the many types of climbing roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but winter protection is desirable.

Price of the following varieties:
Dormant Roses, 12 for \$6.50; each, 65c
Pot Plants, 12 for \$9.00; each, 85c**AMERICAN PILLAR.** Large, flowers of bright crimson, with a clear white eye surrounding numerous golden yellow stamens. These flowers fade to an agreeable light pink and are in great clusters.**CLIMBING AMERICAN BEAUTY.** A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season. Very fragrant.**CHAPLIN'S PINK CLIMBER.** Introduced in 1928, winning highest place in English National Rose Society's Spring Show. Lively pink blooms in clusters of 8 to 12 large and shapely flowers. A strong grower and excellent climber. One of the best new climbing roses.**DOROTHY PERKINS.** Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower, attaining a length of 20 feet in one season.**DR. W. VAN FLEET.** The delicate flesh-pink flowers are full and double, of immense diameter; sweetly perfumed; beautiful bronze-green foliage.**EXCELSA.** (Red Dorothy Perkins). Flowers very double, produced in large trusses, thirty to forty on a stem, light crimson. Vigorous.**GARDENIA.** Buds yellow, creamy white flowers with yellow centers. Vigorous and very hardy.**MME. GREGOIRE STAECHELIN.** This new variety is the aristocrat of the climbing roses. Its beautiful flowers are of enormous size and are followed by attractive fruits as large as small Seckel pears. The blooms are unmatched, being of an iridescent pearl-pink, splashed with carmine. Delightfully fragrant.**PAUL'S SCARLET CLIMBER.** A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy.**PRIMROSE.** A pure yellow, hardy climbing rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant, with beautiful foliage. Very new and most satisfactory.**SCORCHER.** Handsome vermilion flowers covering the plant in great profusion.**WHITE DOROTHY.** A white form of Dorothy Perkins. Large clusters of double white flowers.

PATENTED ROSE BLAZE

NEW PATENTED CLIMBING ROSES

BLAZE. (The new hardy Everblooming Scarlet Climber.) (Plant Patent No. 10.) A marvelous, hardy, everblooming scarlet-red rose, combining the bloom and growth of Paul's Scarlet Climber with the ever, blooming character of Gruss an Teplitz. Blooms are double, often 4 inches in diameter.
Dormant, each, \$1.00. Pot Plants, \$1.15.**APRICOT GLOW.** (Plant Patent applied for.) Henry A. Dreer, 1937. Medium size double light apricot flowers, shading yellow at the base. Produced in large trusses. Blooms profusely and quite fragrant.
Dormant, each, \$1.50; Pot Plants, \$1.70.**DOUBLOONS.** (Plant Patent No. 152.) A hybrid of Rose Setigera. Vigorous heavy canes and tendency to bloom again in midsummer. Clusters of large cup-shaped saffron yellow roses.
Dormant, each, \$1.50; Pot Plants, \$1.70.**EASLEA'S GOLDEN RAMBLER.** (Plant Patent No. 114.) (Easlea, 1934.) A new outstanding climbing rose from England. Producing its comparatively large, double, rich golden flowers in large trusses. An unusual quality is its delicious fragrance.
Dormant, each, \$1.00. Pot Plants, \$1.15.**PRINCESS VAN ORANGE.** (Plant Patent No. 106.) (De Ruiter, 1933.) A sensational sport of Gloria Mundi. Strong grower and free bloomer. Flowers are borne in clusters, the same size and same brilliant orange scarlet color as Gloria Mundi.
Dormant, each, \$1.00. Pot Plants, \$1.15.**THE NEW DAWN.** (The Hardy Everblooming Dr. Van Fleet.) (Plant Patent No. 1, dated August 18, 1931.) The first patented rose and the first everblooming climbing rose. A sport from Dr. Van Fleet having same habit of growth. The delicate flesh pink flowers are fragrant, foliage a bronze-green.
Dormant, each, \$1.50. Pot Plants, \$1.65.

POT PLANTS

For spring planting, pot grown roses are convenient and safe. These 2-year field grown roses are put in pots in January and grown in cool greenhouses. By May they are in full leaf, possibly showing buds, and the roots are well established in a ball of soil. Planting is easy and there is no check in growth. Pot grown roses not ready till May 1st.

DORMANT

Some prefer dormant plants for the following reasons: They may be planted earlier, they cost less and may be shipped by parcel post rather than by express, if 5c per plant is remitted for postage. The planting of dormant roses should be done early.

All Roses Are F. O. B. Western
Springs, Illinois. Pot Plants
by Express Only.

STANDARD OR TREE ROSES



These ornamental and much prized roses are bush shape, grafted to a standard or trunk 3 foot high. Hybrid teas are chiefly used, and the bush or head is capable of bearing 30 to 50 blossoms each season. Need winter protection. We can supply the following, dormant only, at \$3.00 each; \$27.50 for 10.

Dame Edith Helen
E. G. Hill
Etoile de Holland
Frau Karl Druschki
Golden Dawn
Joanna HillMargaret McGredy
Mme. Butterfly
Mme. Edouard Herriott
Pres. Herbert Hoover
Talisman

Vaughan's Irises



PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Irises are most effective if planted three of a kind in a clump.

★ Those indicated by a star are medium priced varieties of outstanding merit and are especially recommended for garden planting.

OUTSTANDING VARIETIES

- ★ **Baldwin.** 40 in. Finely formed flowers of a uniform manganese violet color. A Sass variety of gigantic size and outstanding quality. 35c.
- Cameliard.** 48 in. One of the best and most brilliant light type variegatas. S. amber yellow; F. yellow, flushed light purple and bordered yellow. Vigorous and free flowering; late. 35c.
- Chasseur.** 36 in. Beautiful cream-colored buds marked with gold and brown, and large flowers of clear yellow shaded lighter at the center. 25c.
- Clara Noyes.** 38 in. A brilliant blending of red, orange and yellow that is not unlike the coloring of the Talisman Rose. Entirely different from all other Irises, it creates a sensation wherever shown. 75c.
- Dream.** 36 in. A very lovely, orchid-like flower of a soft clear pink. Of graceful Pallida habits, vigorous in growth and free flowering. 25c.
- Golden Glory.** 36 in. A fine medium toned yellow self. S. pinard yellow, deepening to lemon chrome at the base; F. baryta yellow. 25c; 3 for 50c.
- Gold Imperial.** 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. A fine Iris of rare texture and form. 25c.
- ★ **Imperator.** 36 in. A large red-toned Iris that adds a bright note to the garden. S. violet tinted buff; F. deeper shade. Late. 25c; 3 for 50c.
- King Tut.** 34 in. S. brown suffused with red; F. velvety glowing brownish-red. Large flowers of beautiful coloring. 50c.
- ★ **Los Angeles.** 40 in. Giant, snowy-white flowers of satin texture; the standards faintly edged lavender blue. Perfectly hardy, it is considered one of the finest of all white Irises. 50c.
- No-we-ta.** 35 in. A beautiful, true pink self in effect with yellow flushes at the center. The whole flower is softly frilled. An exquisite Iris and a fine garden variety. \$1.50.
- Pacific.** 36 in. A beautiful, deep pure blue of good substance and garden effect. Blooms early and continues for a long time. Very fine. 50c.
- ★ **Pluie d'Or (Golden Rain).** 40 in. Probably the best pure golden yellow self yet introduced. A large flower of perfect form and a profuse bloomer. An outstanding variety in both Europe and America. 35c; 3 for 90c.
- ★ **Santa Barbara.** 40 in. A gigantic light blue self of perfect form with flaring falls. An outstanding variety and one of the finest of its color. 25c.
- Venus de Milo.** 40 in. A Dominion seedling of pure white with a rich creamy tone. Its large flowers are of exceptional substance and have the perfection of form and grace which the name indicates. \$1.00.
- Wamblika (White Eagle).** 45 in. A glorious new white of huge size and heavy texture. S. snowy glittering white tinted blue at the heart; F. clear snow white with pale yellow beard. 75c.

STANDARD VARIETIES AT BARGAIN PRICES

We have a large collection of these in named varieties in all colors. In ordering, state color wanted and a good named variety, labeled, will be supplied. List of varieties mailed on request. Price, 3 of one kind for 30c; 12 of one kind for \$1.00.

Surprise Iris Collection: Twelve beautiful varieties for \$1.00. 12 different Irises, in a rainbow of colors, our selection, labeled (value \$2.20) for only \$1.00. (Ambassadeur will be one of the varieties included in this collection).

DWARF IRISES

Price, any of the following, 25c each; 3 of one kind for 50c.

- Cristata (Crested Iris).** Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden.
- Pumila Hybrida.** Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.
- Dixmude.** S. aniline blue; F. rich crimson-purple.
- Orange Queen.** Clear deep yellow with orange beard.
- Schneekuppe.** Fragrant white.

SIBERIAN IRISES

Price, except where noted, 25c; 3 of one kind for 50c.

- Butterfly.** 36 in. Lovely porcelain blue flowers; vigorous grower.
- ★ **Emperor.** 48 in. Large flowers of a deep, rich violet-blue. Very fine.
- ★ **Perry's Blue.** 48 in. Large, well formed flowers of a beautiful shade of sky-blue.
- ★ **Orientalis.** 24 in. Rich deep purple. Fine for naturalized plantings. 3 for 30c.
- Snow Queen.** 30 in. Large, ivory white with rich yellow blotch at the throat.

We have a large collection of Iris, including Fall blooming varieties. Write for Complete List.

Twelve Iris \$2 Aristocrats

CATALOG VALUE \$3.60—PREPAID 300 MILES

These are among the fifty finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of this collection. Your Iris display is incomplete if you have not these varieties, and depression prices make it possible to own them for less than the cost of ordinary plants.

- ★ **Ambassadeur.** 40 in. S. smoky bronze; F. dark velvety maroon. A strong grower, carrying its large flowers well disposed on its stalks. Late. 25c; 3 for 50c.
- ★ **Coronation.** 40 in. A brilliant, clear deep golden yellow of fine form and substance. A strong hardy grower and profuse bloomer. 25c.
- ★ **Frieda Mohr.** 42 in. A gigantic pink toned Iris that measures 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring; very stately and beautiful and one of the very best of the "pinks." Exquisite locust-like perfume. 35c; 3 for 75c.
- ★ **Indian Chief.** 40 in. Every garden should have this fine red. S. pinkish red; F. glowing velvety red. Large well-shaped flowers of heavy substance. A prolific bloomer. 50c.
- ★ **Midgard.** 36 in. An exquisite Iris with ruffled petals that are a combination of soft yellow, pink and rose. Lovely under artificial light and fine for garden. 25c; 3 for 50c.
- ★ **Morning Splendor.** 40 in. A fine American introduction that has been awarded three medals. S. Petunia-violet; F. rich raisin-purple. Large, fragrant flowers; late. 25c; 3 for 50c.
- ★ **Princess Beatrice.** 40 in. A selected form of Pallida Dalmatica and one of the finest of all Irises. Silvery lavender of satiny texture. 25c.
- ★ **Queen Caterina.** 40 in. Pale lavender violet with a smooth iridescent sheen and bright orange beard. A beautifully colored Iris. 25c.
- ★ **Rameses.** 36 in. A large blend of russet rose, pink and buff with a yellow glow at the center; large apricot beard. A vigorous healthy grower and free bloomer. Attracts immediate attention wherever shown. 50c; 3 for \$1.00.
- ★ **Souv. de Mad. Gaudichau.** 40 in. This is without a doubt the most beautiful of all the deep purple Irises. Large flowers of rich velvety purple. 25c; 3 for 50c.
- ★ **Susan Bliss.** 42 in. Exquisite flowers of a uniform shade of deep rose-pink with a light orange beard. Fine shape and of splendid substance. 25c; 3 for 50c.
- ★ **True Charm.** 40 in. Fine large flowers of white with the margins delicately etched lavender blue. A delightful flower. Fragrant. 25c.

JAPANESE IRISES (Kaempferi)

The last of the Iris species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

- Azure.** Large delicate mauve-blue flowers. Double.
 - ★ **Gold Bound.** Double. White with gold-banded center. Earliest to bloom.
 - Iso-No-Nami (Shallow Waves).** Suffused rose and blue over white; gold center. One of the largest flowered and the latest to bloom. Double. Each, 50c.
 - Kumochi-Guma.** A very full double of dark purplish indigo. Midseason.
 - ★ **Mahogany.** Large double flowers of velvety-mahogany red. Late.
 - ★ **Momigi-No-Taki (Maple Waterfall).** Bright rosy crimson feathered in white. D.
 - ★ **Purple and Gold.** An enormous double of rich violet-purple with gold center.
 - Seacrest.** Six large wavy white petals with deep blue haft.
 - Uchiu.** Cerulean blue, veined white; gold center. Blooms a long time. Double.
 - Waria Hotei (Laughing Doll).** Extra large flowers of lavender blue with primrose blotches and dark violet veins. A very striking variety. Each, 50c.
- Price of above except where noted, each 35c; 3 of one kind for 90c; 10 of one kind for \$2.50.
Mixed Seedlings. 3 for 30c; 12 for \$1.00; clumps, each, 35c.

Special Offer No. 94-A One each of above 10 named Japanese Irises (Value \$3.80) for \$2.50.

NEW JAPANESE IRISES

- Amethyst.** Very large single flowers with wavy petals of exquisite lavender. 60c.
- Kamata.** Single, dark velvety sky-blue with white veins. 60c.
- Norma.** Exquisite silky lavender-pink with clear blue halo surrounding a yellow blotch at center. Fine large double. The best pink Japanese Iris. 75c.
- Oriole.** Double. Lovely plum shading to deep plum. 60c.
- Rose Anna.** Ivory-white with heavy ruby-red veins; center yellow; stigmas dark plum. A fine double. 50c.
- Violet Beauty.** Single. Velvety pansy-violet with conspicuous yellow center. Very large flowers; free blooming. 50c.
- Violet Giant.** Semi-double. Rich violet shading to rose. The largest Japanese Iris we have ever seen. \$1.00.

Special Offer No. 94-B One each of the above 7 new Japanese Iris (value \$4.55) for \$3.00.

VARIOUS BEARDLESS IRISES

Most of these varieties bloom after the German Irises are gone and before the Japanese Irises open.

- Dichotoma (Vesper Iris).** Dainty blue flowers, beautifully marked, that open in the afternoon. Blooms profusely during the month of August. \$1.00.
- Monnieri.** 48 in. Handsome, rich golden yellow flowers of excellent form. Prefers a moist situation. 75c.
- Pseudocrocus (Common Yellow Water Flag).** 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. 25c.
- Versicolor (Common American Water Flag).** 24 in. Showy violet-blue remaining in bloom for a long time. Good for waterside plantings. 25c.

Vaughan's Gladiolus Introductions

« « At Prices Within the Reach of All Amateurs » »

VAUGHAN'S Seed Store since its beginning has been identified with the development of gladioli in America. We are now the largest growers of gladioli in this country. On our farms in Illinois and Michigan we devote more than 250 acres to gladiolus culture. Visitors are welcomed during the flowering season, July 15 to Oct. 1, at our Michigan farms at Ovid, on Michigan Route 21, 13 miles west of Owosso.

Each year we devote five acres to trials of our own seedlings. Here are tested thousands of new varieties from which we select those which show the greatest advance in color, or form, or both, for introduction as new named varieties. The introductions of other growers throughout the world are tested here also and those which are proved to have merit are added to our list.

1937 Introduction

LUDINGTON (No. 2140, Salmon Pink.) A deep salmon pink, clear and luminous spread evenly over the petals. Pale in the throat with a small red blotch deep in throat of lower petal. 10 buds, 4 open. An ideal plume. 3 ft. high. Each, \$1.00; doz., \$10.00.

AU-GRES (No. 1748). Early 75 to 80 days. Color, ashes of roses with a conspicuous white throat; very novel and attractive combination. Medium height and flowers well placed. Each, 20c; doz., \$2.00; 100, \$15.00.

BLUE ROYALE (Vaughan). True violet-blue. ★Very prolific and much larger, taller and stronger grower than any other blue we or any one else have ever introduced. In season it is later than Rosa Raisa or Mrs. T. J. Knudson. It won first place as the best purple or violet at Atlantic City show. An outstanding advance in this new color. Each, 20c; doz., \$2.00; 100, \$15.00.

CADILLAC (Vaughan). Tall spike, flowers well placed and of good form. 7 open at one time, 5 to 7 buds. Color golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each, 10c; doz., \$1.00; 100, \$7.00.

CANYON VIOLET (Vaughan). Another of the ★famous Vaughan violet and blue shade varieties. Deep violet-blue with a darker and larger bloom than our Rosa Raisa or Blue Royale. Very tall and a strong grower. Each, 75c; doz., \$7.50.

DEARBORN (Vaughan). Immense florets of deep ★flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six inches in diameter. A giant gladiolus that blooms early. Each, 8c; doz., 75c; 100, \$5.00.

GRAND RAPIDS (Vaughan). Light lavender with a white throat marked with a small blotch of lilac, anthers pure white, reflex of darker lavender, flowers well placed medium size, 8 to 10 open together. Medium height, early, type of Minuet. First prize at Michigan Gladiolus show for best lavender seedling. Each, 8c; doz., 75c; 100, \$5.00.

EARLY DUNE (No. 1698). An early Betty Nuttall. 70 to 75 days. Salmon orange shading to lighter in throat with two small carmine spots on the throat petal. Tall straight spike, flower well placed, 10 to 12 open at one time. Each, 15c; doz., \$1.50; 100, \$10.00.

MRS. T. J. KNUDSON (Vaughan). This is one ★of the Vaughan's blues much admired at all shows and in a class with Rosa Raisa. Clear light violet, shading deeper towards the outer edge of petals. The throat has a deep violet plume, tipped or capped by a characteristic bright creamy spire giving it a very striking effect. Florets are medium in size, with many, well placed, open at one time. This is an outstanding introduction in a color-class where good varieties are scarce. Mid-season, strong grower of good height. Each, 10c; doz., \$1.00; 100, \$7.00.

MRS. FRANCES L. KARCHER (Vaughan). ★Light salmon blending to an orange on outer edge of petals, throat petals striped with crimson. Reflex orange-crimson. Tall straight spike, flowers well placed, 6 to 8 blooms open, free bloomer, early. An ideal commercial orange-scarlet. First at Michigan show for best orange and best commercial seedling. A fine cut-flower. Each, 15c; doz., \$1.50; 100, \$10.00.

MARY SHARY (Vaughan). Clear soft primrose-★yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 15c; doz., \$1.50; 100, \$10.00.

(★) This mark indicates the variety is of outstanding merit.



MRS. T. J. KNUDSON

A VAUGHAN BULB MEANS
A FLOWER CERTAIN



AU-GRES



EDITH MASON

POMPADOUR (Vaughan). Extra tall and strong, upright spike, 9 flowers open, 14 buds. Flowers well placed, remarkable texture, of good form and size, ruffled. Color pale ivory, tip deep cream, narrow line of crimson-lake on three lower petals; stamens slate-violet, pistil white. Very desirable. Each, \$2.00; doz., \$20.00.

RHAPSODY IN BLUE (Vaughan). Pale blue vio-★let with deep violet throat. Flowers well placed, many open at once. A distinct acquisition to the all too few good blues. Each, \$1.00; doz., \$10.00.

ROSA RAISA (Vaughan). Long spike, flowers ★well placed and of very good size; 4 open at one time, 10 buds. Color, lower 3 petals blotched with violet, upper petals pale mauve shading to violet edge. Stamens violet. Compared to "Veilchenblau," flowers larger, contrast between upper and lower petals more intense. A better propagator. Each, 10c; doz., \$1.00; 100, \$7.00.

TAWNY (Vaughan). Very tall spike (50 inches), 7 large flowers open, 10 buds, flowers well placed. Color deep rose-apricot faintly laid with pale rose-violet at the edges. Remarkably silky texture. Very large flowers well placed, stamens and pistils white. An outstanding flower. Each, 10c; doz., \$1.00; 100, \$7.00.

ROYAL OAK (No. 1899) Primrose Yellow, lightly suffused with pink, the lower petals showing a single fine line of red in the center. 5-7 well placed flowers open at a time. The spike carries 16-20 buds. Exceptionally early, blooms in 60 days. Strictly a commercial variety. Each, 50c; doz., \$5.00.

HILLSDALE (No. 2016) True Tyrian rose shad-★ing darker toward outer edge of petals, lighter toward throat; back of petals delicately traced with minute white lines. Darker feather on two lower petals. Tall strong spikes. Blooms in early mid season. A valuable addition to a color class with few outstanding varieties. Each, 75c; doz., \$7.50.

Collection No. 600B—Smoky 75c Mixture 12 Bulbs - - -

A mixture of "smoky" varieties, this name having been adopted by the American Gladiolus Society for a type of coloring which consists of a soft blend of many tones, in misty effects, for which the vocabulary of color provides no exact names. This mixture includes many seedlings never introduced; and affords a most interesting assortment of odd, artistic colorings. Doz., 75c.

Vaughan's "Standard" Mixture \$1.25 50 Bulbs - - -

We have thrown away all the common and cheap left-over which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD" MIXED, will be found satisfactory everywhere, for mixed beds, borders and masses, and offered at very moderate prices. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 35c, postpaid; by express, not prepaid, 50 for \$1.25; 100 for \$2.25; 250 for \$5.50; 500 for \$10.00; per 1,000, \$19.00.

STANDARD VARIETIES for the Cutting Garden

Albania. White	Joe Coleman. Red
America Pink.	Le Mar. Foch. Pink
Alice Tiaplady. Orange	Los Angeles. Pink
Butterboy. Yellow	Louise. Pure lavender
Chicago White	Mrs. F. Pendleton
Chateau Thierry. Red	Mrs. F. King. Scarlet
Crimson Glow	Odin. Salmon-pink
E. J. Shaylor. Rose	Peace. White
E. Kirtland. Pink	Schwaben. Yellow
Giant Nymph. Pink	Souvenir. Yellow
Halley. Salmon-pink	Wilbrink. Pink

Any of the above, doz., 50c; per 100, \$3.00.

Prices for single bulbs and by the doz., as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

BLUE AND PURPL

- AIDA.** Very deep blue with small reddish lilac blotch. Large flowers, several open, strong stem and extremely early. Wonderful propagator. Each, 8c; doz., 75c; 100, \$5.00.
- ANNA EBERIUS (Diener).** Dark, velvety maroon-purple. Each, 8c; doz., 75c; 100, \$5.00.
- ANNIE MAY (Vaughan).** A beautiful lilac shade with pure white throat, enormous tall spike sometimes growing 5 feet tall. Each, 35c; doz., \$3.50.
- AVE MARIA.** Extremely good blue-purple. Strong grower, flowers well arranged. Each, 15c; doz., \$1.50; 100, \$10.00.
- BLOOMINGTON BEAUTY (Vaughan).** Good spike, 5 open flowers, 10 buds, flowers well placed. Color amaranth with crimson blotch on lower petals. Stamens light amaranth. Each, 8c; doz., 75c; 100, \$5.00.
- BLUE DANUBE.** Pure amethyst blue with real blue blotch. Each, 20c; doz., \$2.00; 100, \$15.00.
- CHAS. DICKENS (Pfizer).** Purple-violet. Each, 6c; doz., 60c; 100, \$4.00.
- KALAMAZOO (Vaughan).** Large, compact flowers of beautiful violet-purple, with a creamy white throat. Each, 8c; doz., 75c; 100, \$5.00.
- MRS. VON KONYENBURG (Pfizer).** Probably the only variety which we can, in the true color sense of the word, call blue. This variety resembles the old variety Badenia in color, but it is a much more robust grower, is taller and stronger. Each, 10c; doz., \$1.00; 100, \$7.00.
- PELEGRINA (Pfizer).** Deep blue. Each, 10c; doz., \$1.00; 100, \$7.00.
- SOVEREIGN (Vaughan).** The best purple variety. The flowers are the same color as those of Baron J. Hulot, but very much larger. The flowers are full and of rounding form, well placed on a tall, strong spike. Each, 8c; doz., 75c; 100, \$5.00.
- VERDUN (Vaughan).** Pansy-purple, lightening toward the center. The flowers are large and well placed on a strong, straight stem. Each, 15c; doz., \$1.50; 100, \$10.00.
- VEILCHENBLAU (Pfizer).** The color is a beautiful violet-blue, lightening toward the center. The entire flower appears, at the first glance, to be made of blue velvet, the sheen is so beautiful. Each, 10c; doz., \$1.00; 100, \$7.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., 75c; 100, \$5.00.

LAVENDER

- ALMA (Vaughan).** A very floriferous light-lavender variety. Each, 6c; doz., 60c; 100, \$4.00.
- BERTY SNOW (Mair).** Large flowers of beautiful lavender. Excellent substance and placement. Eight open at once. Fine exhibition and cut flower. A prize winner. Each, 6c; doz., 60c; 100, \$4.00.
- BYRON L. SMITH (Kunderd).** Beautiful lavender-pink on white ground. Each, 8c; doz., 75c; 100, \$5.00.
- CAPTAIN BOYNTON (Boynton).** Light lavender, blotched deeper in throat, one of the nicest lavenders in gladioli. Each, 6c; doz., 60c; 100, \$4.00.
- DR. MOODY (Kenyon).** Light lavender. Each, 6c; doz., 60c; 100, \$4.00.
- HEAVENLY BLUE (Pfizer).** Lavender-blue. Each, 10c; doz., \$1.00; 100, \$7.00.
- MINUET (Coleman).** Large light lavender. We highly recommend it. Each, 10c; doz., \$1.00; 100, \$7.00.
- MRS. F. C. PETERS (Fisher).** A large, late flowering, rose-lilac, with a crimson blotch bordered white on lower petals. Each, 8c; doz., 75c; 100, \$5.00.
- ROYAL LAVENDER (Schlieder).** Deep lavender. Each, 10c; doz., \$1.00; 100, \$7.00.
- THE ORCHID (Sprague).** Pale lavender. Each, 8c; doz., 75c; 100, \$5.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

PINK AND ROSE

- AFLAME (Hornberger).** Giant begonia rose. Each, 8c; doz., 75c; 100, \$5.00.
- APRICOT GLOW (Palmer).** Tall apricot. Each, 6c; doz., 60c; 100, \$4.00.
- BALBOA (Briggs).** Glowing apricot-pink. Each, 8c; doz., 75c; 100, \$5.00.
- BETTY NUTHALL (Salbach).** One of the outstanding gladioli of recent introduction. Light coral with pale orange throat and light feathering of carmine. A beautiful large flowered variety. Each, 6c; doz., 60c; 100, \$4.00.
- BIJOU (Vaughan).** Primulinus. Flowers of good size, well open, slightly ruffled pinkish apricot, lower side petals primrose-yellow small crimson blotches at base of petals. Flowers well placed. A most charming variety. Height, 30 inches. Each, 8c; doz., 75c; 100, \$5.00.
- CATHERINE COLEMAN (Coleman).** Clear salmon rose with purple pencillings on lower petals. Spike tall and flowers well placed, opening nicely. Each, 8c; doz., 75c; 100, \$5.00.

Lake Geneva Collection GLADIOLUS

Ten each of the following ten representative varieties of Gladiolus (100 first size Bulbs) will be sent postpaid, for **\$7.00**

- 10 Bertie Snow, Large Lavender
- 10 Cadillac, Golden Apricot
- 10 Chas. Dickens, Purple Violet
- 10 Commander Koehl, Dark Scarlet
- 10 Marmora, Lavender Gray
- 10 Mary Shary, Clear soft primrose yellow
- 10 Mildred Louise, Strawberry Pink
- 10 Maid of Orleans, Milky White
- 10 Mrs. F. L. Karcher, Salmon Orange
- 10 Rosa Raisa, Violet Blue

PINK AND ROSE—Continued

- D. A. HAY (Whiteley).** Salmon-pink with ivory throat. Each, 50c; doz., \$5.00.
- DEBONAIR (Palmer).** La France pink to shrimp pink in throat with creamy throat mark, lightly peppered crimson. Each, 10c; doz., \$1.00; 100, \$7.00.
- DETROIT (Vaughan).** Fully developed flowers often measure five inches across, compactly arranged on the spike. The color is light pink with deeper pencillings of light crimson. Each, 25c; doz., \$2.50; 100, \$18.00.
- DRAGON LYONNAISE (Prims).** The double flowered Gladiolus pink, cream throat, rose spots. Very odd. Each, 10c; doz., \$1.00; 100, \$7.00.
- DR. NELSON SCHOOK (Kunderd).** Deep tyrian rose. Each, 10c; doz., \$1.00; 100, \$7.00.
- EDITH MASON (Vaughan).** Delicate geranium-pink, an exquisite color. Each, 8c; doz., 75c; 100, \$5.00.
- ELSIE McCORMICK (Vaughan).** The flowers are large, beautiful rose-pink in color, with many blossoms open at one time. Each, 6c; doz., 60c; 100, \$4.00.
- FREDERICK SCHILLER (Howard).** Delightfully clear, rich rose shade which is most desirable in floral decorations. The informal arrangement of the large handsome flowers on long graceful spikes makes this one of the most decorative varieties ever produced. Each, 15c; doz., \$1.50; 100, \$10.00.



GOLDEN GODDESS, Giant Yellow, First Patented Gladiolus. Each, \$1.00.

PINK AND ROSE—Continued

- GERTRUDE ERREY (Errey).** Light salmon or shell-pink on outer edges of petals shading off to white in center with a spot of deeper color in the throat. Each, 20c; doz., \$2.00; 100, \$15.00.
- HERBSTZAUBER (Pfizer).** Lacking words to justly describe its beauty, all we can say is that it is the most wonderful copper-salmon, fittingly called "Autumn Fascination." Each, 25c; doz., \$2.50; 100, \$18.00.
- HERITAGE (Ristow).** Very large warm pink, throat lighter with white midribs on lower petals. Each, 50c; doz., \$5.00.
- HI NEMOA. (New Z.)** A New Zealand origination of strikingly distinct appearance. A deep pink ground color is flaked with dark chocolate crimson, a large, clean-cut, clear yellow blotch standing out in strong contrast. Immense wide-winked flowers, about six open at a time, as a rule. Each, 50c; doz., \$5.00.
- LANSING (Vaughan).** A large flowered pink of very vigorous growth. Each, 8c; doz., 75c; 100, \$5.00.
- LILLIAN RUTTER (Whiteley).** A beautiful self-colored salmon. Many flowers open and well ruffled. Each, 75c; doz., \$7.50.
- L. W. WHEELER (Vaughan).** Medium sized, rounded flowers of pink, suffused with yellow and blotched crimson. Each, 8c; doz., 75c; 100, \$5.00.
- MILDRED LOUISE. (Wentworth).** Prevailing color is a pure salmon (strawberry) pink, self on upper petals with lower petals tipped strawberry-pink, blending to pinard-yellow in the throat. The stem is strong and flexible. The beautiful triangular shaped florets open wide and measure 5½ inches or more across, there are 18 to 22 buds on each spike. Excellent propagator. Each, 15c; doz., \$1.50; 100, \$10.00.
- MISS J. NATHAN (Whiteley).** Rose-pink, cream throat spotted crimson. Very large spike. Each, 75c; doz., \$7.50.
- MISS NEW ZEALAND (Julyan).** Salmon-apricot suffused rose with blotch of ripe peach. Giant of the Glads. Each, 15c; doz., \$1.50.
- MRS. DR. NORTON (Kunderd).** Soft white, with tips of petals suffused La France pink. Each, 6c; doz., 60c; 100, \$4.00.
- MRS. E. J. HEATON (Heaton).** Glowing strawberry pink blended with some cream in throat. Each, 25c; doz., \$2.50; 100, \$18.00.
- MRS. LEON DOUGLAS (Diener).** Color is begonia-rose, striped with flame and brilliant scarlet. Each, 6c; doz., 60c; 100, \$4.00.
- MRS. T. E. LANGFORD (Crow).** Beautiful apple-blossom pink with small yellow blotch in throat. Fine spike flowers open exceptionally well. Each, 35c; doz., \$3.50.
- MRS. P. W. SISSON.** Immense, ruffled soft pink. Each, 6c; doz., 60c; 100, \$4.00.
- PEACH ROSE (Kunderd).** An extra choice variety of deep rose-pink. Each, 6c; doz., 60c; 100, \$4.00.
- PETER MASON (Whiteley) (Primulinus).** Pink suffused yellow and edged purple. Each, 50c; doz., \$5.00.
- PICARDY (Palmer).** A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Has created a sensation practically every time exhibited. Each, 6c; doz., 60c; 100, \$4.00.
- PINK MEDALLION (Vaughan).** Early pink Prim. A true pure pink, lower petals have a canary blotch with a feather of the same color as the flower. It is exceptionally early, forces well, and is a rapid propagator. Each, 6c; doz., 60c; 100, \$4.00.
- PINKPRIM (Vaughan).** A large flowered primulinus of wonderful salmon-pink, blotched white on lower petals. Each, 5c; doz., 50c; 100, \$3.00.
- PRIDE OF WANAKAH (Christ).** Lavender-rose, deeper in throat. Each, 6c; doz., 60c; 100, \$4.00.
- QUEEN HELEN II. (Salbach).** Grenadine pink with prominent pinard yellow blotch and carmine feathering deep in throat. Each, 15c; doz., \$1.50; 100, \$10.00.
- SCHWABEN GIRL (Pfizer).** Pure pink self color, one of the very best. Each, 20c; doz., \$2.00; 100, \$15.00.
- SALBACH'S PINK.** Geranium-pink with soft carmine tongue and throat markings. Each, 10c; doz., \$1.00; 100, \$7.00.
- VIRGINIA SKELLY (Skelly).** Dainty, graceful ruffled pink and cream. Fine variety for the garden. Each, 20c; doz., \$2.00; 100, \$15.00.
- WASAGA (Palmer).** Clear apricot, buff throat. Large flowers and beautiful for basket work. Trifle darker than Duna. Each, 10c; doz., \$1.00; 100, \$7.00.
- W. H. PHIPPS (Diener).** Enormous flowers of La France pink, overlaid with salmon-rose, lighter towards the center. Each, 6c; doz., 60c; 100, \$4.00.
- WINDSOR (Vaughan).** Sister to Detroit. A giant flower of light pink with deeper pencillings of light crimson on inside and outside of upper petals. Each, 6c; doz., 60c; 100, \$4.00.

PINK MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

Century of Progress Gladioli \$1.00

60 Bulbs Flowering Size Not Less Than Six Varieties

A dollar never bought more beauty than our Special Offer of 60 Flowering Size Bulbs including not less than Six Varieties (our selection), all separately bagged and labeled.

ORANGE

LA PALOMA (Dusinberre). A large pure orange primulinus of the grandiflora type. Each, 8c; doz., 75c; 100, \$5.00.

ORANGE QUEEN (Pfitzer). A large flowered primulinus of wonderful glowing orange, with red stripes on lower petals. Each, 5c; doz., 50c; 100, \$3.00.

SENORITA (Salbach). Very clear wide-open orange shading salmon. Each, 6c; doz., 60c; 100, \$4.00.

ORANGE MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.00; 100, \$7.00.

RED AND SCARLET

A. W. HUNT (Christy). Immense flowers of brilliant orange-red. Each, 8c; doz., 75c; 100, \$5.00.

COMMANDER KOEHL (Pfitzer). An outstanding variety in form and color. Gigantic flowers of dark scarlet, well formed, no blotches. Each, 10c; doz., \$1.00; 100, \$7.00.

DIANA (Zeestraten). Clear, rich blood-red, well placed and beautifully formed. Each, 5c; doz., 50c; 100, \$3.00.

DR. F. E. BENNETT. Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 6c; doz., 60c; 100, \$4.00.

FLANDERS (Vaughan). Red Primulinus. Tall spike, 10 open flowers, 10 buds. Flowers well placed, wide open, brilliant orange-violet, stamens light. Each, 5c; doz., 50c; 100, \$3.00.

FOREST FIRE (Piper). Flowers are a dazzling shade of orange-scarlet, gigantic in size. Each, 30c; doz., \$3.00; 100, \$20.00.

G. J. McKAY (Whiteley). Tomato-red with deeper throat. Large spike and ruffled flowers. Each, 75c; doz., \$7.50.

HEINRICH KANZLEITER (Pfitzer). Brilliant dark, velvety blood-red, the largest and earliest of dark gladioli. Each, 6c; doz., 60c; 100, \$4.00.

LUSTRE (Kunderd). A tall, large flowered variety of brilliant orange-vermilion. Each, 6c; doz., 60c; 100, \$4.00.

MARTHA PHILLIPS (Vaughan). Dark solid red. Each, 6c; doz., 60c; 100, \$4.00.

MRS. DR. HAUFF (Pfitzer). A brilliant scarlet gladiolus, many large flowers open at the same time, make a very fine spike. Each, 10c; doz., \$1.00; 100, \$7.00.

MRS. JULIUS ROSENWALD (Vaughan). Deep wine-red. Each, 35c; doz., \$3.50.

ORPHEUS (Pfitzer). Fine blood-red, with many blooms open at one time. Each, 10c; doz., \$1.00; 100, \$7.00.

PERSIA (National Bulb). A maroon-red so dark it appears black. Each, 15c; doz., \$1.50; 100, \$10.00.

PFITZER'S TRIUMPH (Pfitzer). Salmon-red with darker blotch. Very large flower. Each, 8c; doz., 75c; 100, \$5.00.

PRINCEPS (Fleet). The parent of modern gladiolus. Immense scarlet, white throat. Each, 10c; doz., \$1.00; 100, \$7.00.

RED LORY (Errey). Red with purplish blotch. Fine for exhibitions. Each, 10c; doz., \$1.00; 100, \$7.00.

RED PHIPPS (Briggs). Really a pink overlaid scarlet. Each, 10c; doz., \$1.00; 100, \$7.00.

RIDINGHOOD (Vaughan). Prim. A beautiful red primulinus. Each, 5c; doz., 50c; 100, \$3.00.

SCARLET WONDER (Cowie). Mammoth flowers of clear, deep scarlet. Each, 8c; doz., 75c; 100, \$5.00.

SOUTHERN CROSS (New Zealand). Large, deep red. Very good color. Each, 15c; doz., \$1.50; 100, \$10.00.

VICTOR (Errey). Brilliant scarlet with large pure white blotch. Each, 20c; doz., \$2.00; 100, \$15.00.

WURTEMBERGIA (Pfitzer). Large scarlet with broad soft cream blotch. Each, 10c; doz., \$1.00; 100, \$7.00.

RED AND SCARLET MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

Primulinus Hybrids Mixed 100 Bulbs \$3.00

The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers, they are ideal for vases. Doz., 50c; 100, \$3.00.



SHIRLEY TEMPLE

SMOKY

BAGDAD (Palmer). Very large, smoky old-rose. Each, 10c; doz., \$1.00; 100, \$7.00.

COPPERSHEEN (Vaughan). A very attractive primulinus novelty. It contains a blending of colors difficult to describe, but which gives the flower a bronzy orange effect. The florets are round, well hooded, and spaced separately on the spike, characteristic of the prim type. Ea., 7c; doz., 70c; 100, \$4.50.

EMILE AUBRUN (Lemoine). Coppery bronze with cherry blotch. Each, 8c; doz., 75c; 100, \$5.00.

HURON (Vaughan). Light ashes of rose shade on upper petals, lower petals plum, shading to center with blotches of cream. Each, 15c; doz., \$1.50; 100, \$10.00.

MARMORA (Errey). Lavender-grey, dark blotch. Each, 8c; doz., 75c; 100, \$5.00.

MRS. L. S. HUBBARD (Vaughan). A nearly plum-colored primulinus. Each, 6c; doz., 60c; 100, \$4.00.

MOTHER MACHREE (Stevens). Soft smoky lavender. Large flower and plant with large number out, excellent arrangement, remarkable substance, beautiful coloring of lavender and orange, subdued with neutral gray. Each, 10c; doz., \$1.00; 100, \$7.00.

ROMANCE (Kunderd). The color of this flower is difficult to describe, a very beautiful blend of orange, salmon and rose, with a throat of red and yellow. Each, 8c; doz., 75c; 100, \$5.00.

ROSE ASH (Diener). Blooms of the color of ashes of roses are compactly arranged on a very thick, strong stem. Each, 8c; doz., 75c; 100, \$5.00.

SANDUSKY (Vaughan). Prim. The color of this beautiful seedling is a blend of red, blue and terra cotta, producing a color generally known as bordeaux. Upper petals are lighter than the lower ones.

Throat is cream blotched wine-red, with three fiery scarlet markings on the lower petals. Each, 15c; doz., \$1.50; 100, \$10.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.00; 100, \$7.00.

THRIPS

Vaughan's gladiolus Farms have so far been free from thrips infestation. In spite of this, all bulbs sold by us are given cyanide treatment to kill thrips insects and eggs, and require no further treatment to insure freedom from thrips when planted. However, on application, we will supply the formula for those who desire to, treat their own bulbs.

WHITE

ALBATROSS (Pfitzer). Pure white. Each, 15c; doz., \$1.50; 100, \$10.00.

JOERGS WHITE (Joergs). Large pure white. Each, 10c; doz., \$1.00; 100, \$7.00.

MAID OF ORLEANS (Pfitzer). Milky white, cream throat. Each, 15c; doz., \$1.50; 100, \$10.00.

MAMMOTH WHITE. One of the largest white varieties in existence. Flowers are pure, glistening white. A perfect exhibition flower. Each, 10c; doz., \$1.50; 100, \$10.00.

POLAR ICE (Pfitzer). Pure white. Several open. Tall spike. Each, 20c; doz., \$2.00; 100, \$15.00.

SEAFOAM (Vaughan). White Primulinus. Good spike flowers well open, medium size, stamens white color, pure white with greenish reflex, 4 flowers open, 7 to 9 buds. A wonderful producer. Each, 8c; doz., 75c; 100, \$5.00.

SHIRLEY TEMPLE (Pruitt). Color, rich cream, almost white with richer cream throat mark. Six to eight very large, most beautifully ruffled flowers open at one time. A maximum spike is equal in size to Picardy or Miss New Zealand. Despite its enormous size it carries not the least bit of coarseness. As a cut flower it will stand up with the best of them, the last bud on the spike blooming out perfectly. Makes beautiful foliage and large, high crown bulbs. Makes ample bulbets that grow readily, without pregermination. It blooms some later than Picardy. Large bulb, each, \$10.00; bulbets, each, \$1.00.

STAR OF BETHLEHEM (Pfitzer). Enormous snow white. Good exhibition variety. Ea., 35c; doz., \$3.50.

VAUGHAN'S WHITE (Vaughan). Many large, well-expanded flowers of satiny white are open at one time. It is larger flowered and more vigorous in growth than Europa, and as prolific as America. Without doubt it is the best white yet introduced. Each, 15c; doz., \$1.50; 100, \$10.00.

VIRGINAL (Vaughan). Pure, satiny white flowers with faint lavender markings in throat and on the lower petals. Each, 15c; doz., \$1.50; 100, \$10.00.

WHITEHALL (Vaughan). There is an increasing demand for good primulinus varieties on account of their graceful habit and adaptability for house and basket arrangement. An exceptional pure white with no markings. Extra long spike. Each, 10c; doz., \$1.00; 100, \$7.00.

WHITE PENDLETON (Vaughan). This is a white sport of the well-known variety Mrs. Frank Pendleton. It is pure white, with a dark blotch in the throat. Each, 8c; doz., 75c; 100, \$5.00.

WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., 75c; 100, \$5.00.

YELLOW

GOLDEN DREAM (Groff). Clear deep yellow. Each, 6c; doz., 60c; 100, \$4.00.

GOLD EAGLE (Austin). Clear yellow. Each, 6c; doz., 60c; 100, \$4.00.

GOLDEN GODDESS. The first patented Gladiolus. Ten to sixteen florets open at once, deep rich golden yellow. Introduced only last season, but we have arranged with the patentee for the right to sell this outstanding new Gladiolus. Each, \$1.00.

GOLDEN MEASURE (Kelway). Large, well expanded flowers of golden yellow. It is a very robust and tall grower, a quality unusual in the yellow and blue varieties. Each, 7c; doz., 70c; 100, \$4.50.

IMPROVED SCHWABEN (Vaughan). A Schwaben seedling retaining the luxuriant growth of its parent, but of a deeper yellow color, with very little throat markings. Each, 6c; doz., 60c; 100, \$4.00.

IONIA (Vaughan). A tall grower, carrying a long spike of well placed, apricot colored flowers. Each, 6c; doz., 60c; 100, \$4.00.

JEANETTE (Whiteley). Very tall, well set spike. Pale yellow. A ruffled Improved Flora. Each, 75c; doz., \$7.50.

MRS. M. G. WADE (Whiteley). Clear yellow, large spike. Each, 35c; doz., \$3.50.

YELLOWSTONE (Vaughan). Early, tall, clear yellow primulinus similar to Souvenir, but deeper yellow and better grower. A perfect self-color, beautifully formed. Each, 10c; doz., \$1.00; 100, \$7.00.

YELLOW AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

"Small Garden" Collection of Summer Bulbs

\$1 36 bulbs, of 7 varieties, separately bagged and labeled, prepaid 600 miles.

To give you an idea of the beauty and variety to be found in bulbs which can be planted in the spring for summer flowers, we offer the following group of first quality bulbs:

3 *Tigridias* (Mexican Shell-flowers), 12 *Gladioli* Mixed, 3 *Tuberose*s (Mexican), 3 *Montbretias* Mixed, 9 *Oxalis* Mixed, 3 *Zephyranthus* (Fairy Lily), 3 *Madreia* Vines.

Bulbs for the Summer Garden

Bulbs Shipped Separately from Seed

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th except to customers in the South or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival and if bulbs can not be planted at once they should be placed in a dry and frostproof cellar until ready to plant.



ACIDANTHERA



AMARYLLIS



DOUBLE BEGONIA

ACIDANTHERA (Bicolor)

A valuable bulbous plant for greenhouse or open ground. Each flower-stalk produces from four to eight widely expanded fragrant flowers, of creamy white color with broad violet-maroon blotches. The flowers are very lasting and, being borne on long stems, are excellent for bouquets and table decorations. The bulbs should be treated like gladioli.

Medium Size Bulbs, each, 20c; doz., \$1.75; 100, \$12.00.

Large Size Bulbs, each, 25c; doz., \$2.50; 100, \$18.00.

AMARYLLIS

Largest of flowers which are easily forced indoors, our new hybrids are so gorgeous in size and coloring as to amaze those not familiar with them.

Vaughan's New Hybrids. One of the finest strains of amaryllis we have seen. We can supply bulbs in the following selected colors. Bulbs are two-inch and up in diameter.

Dark Red.	Salmon.
Light Red.	Rose.
Red with White Centers.	

Each, \$1.00; doz., \$10.00.

Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

	Each	Doz.	100
2-2½ in. dia.....	\$0.25	\$2.50	\$18.00
2½-3 in. dia.....	.35	3.50	25.00

ANEMONE (Windflower)

The variety offered below are charming hardy flowers. They are suitable for pot or border culture and, when planted in masses, are most effective. They succeed best in a light, rich well-drained loam. Plant shallow as soon as the ground can be worked in the spring.

Special Mixed, doz., 60c; 100, \$4.00; 1,000, \$35.00, prepaid.

St. Brigid—A grand strain of Poppy Anemones whose flowers range in color from the deepest crimson to the purest white, embracing such delicate shades as cobalt, light-red, rose, salmon-pink, and heliotrope. Most are semi-double. Doz., 75c; 100, \$5.00; 1,000, \$45.00, prepaid.

APIOS Tuberosa

Splendid hardy climber. Will grow to a height of 8 to 10 feet, vine and foliage resembling a *Wistaria*; deep purple color, fragrant.

Price, each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

BEGONIAS

Tuberous Rooted—Unexcelled for summer bedding, such as lawn beds and borders. Make fine pot-plants. When fully exposed to the sun the beds must be kept moist. All prepaid.

Single or Double Sorts—White, red, orange, salmon, rose.

Bulbs, 1½-2 in., each, 20c; doz., \$2.00; 100, \$15.00.

Bulbs, 2-inch, each, 30c; doz., \$2.75; 100, \$20.00.

Friiled Single or Double Mixed Bulbs, 1½-2 inch, each, 20c; doz., \$2.00; 100, \$15.00.

Lloydii. Used in hanging baskets. Each, 25c; doz., \$2.50; 25 for \$4.50. Double blooming, many fine pink shades.

Narcissus-Flowered in Mixture, a remarkable race of tuberous-rooted Begonias, the inner petals being joined into a large semi-double or single corona with petals elegantly crimped at margin. Each, 25c; doz., \$2.50; 52 for \$4.50.

BESSERA ELEGANS

New introduction from Mexico. Dainty bell-shaped flowers, orange red outside, creamy white with orange stripe inside, with purplish stamens, hanging in an interesting umbel from the tip of a graceful wiry stem 18 to 24 inches tall. Foliage inconspicuous. Blooms freely from July to last of September. Cuts well and is exceptionally interesting in flower arrangements. A striking addition to the summer garden, suggesting as it does, the burst of a miniature rocket. Should be dug in fall except in milder climates. Each, 25c; 3 for 50c; doz., \$2.00.

CALADIUM ESCULENTUM

Elephant's Ear—One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.

Price, 3 for 25c, prepaid; doz., 90c; 25 for \$1.50, not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.

Price, 3 for 40c, prepaid; doz., \$1.50; 25 for \$2.50, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.

Price, 3 for 75c, prepaid; doz., \$2.50; 25 for \$4.50, not prepaid.

Mammoth Size—12-inch and up. Mailing weight, 17 lbs. per doz.

Price, each, 50c; 3 for \$1.25, prepaid; doz., \$4.25; 25 for \$7.50, not prepaid.

GOLDEN YELLOW CALLA LILY

Calla Elliottiana. Beautiful variety, same habit and growth as ordinary white Calla; flower same size and shape, rich, clear, lustrous golden yellow; foliage dark green with translucent creamy spots. Strong bulbs, which grow and flower very easily in pots in the house.

Bulbs, 1½-2-inch, each, 20c; doz., \$2.00; 100, \$15.00. 2-2½-inch, each, 30c; doz., \$2.75; 100, \$20.00.

CALLA

(*Richardia Maculata*)

Spotted leaf. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 20c; doz., \$1.75; 100, \$12.00.

CHLIDANTHUS Fragrans

Chlidanthus Fragrans (The Gold Flower)—Produces clusters of from two to four golden yellow, trumpet-shaped flowers that are delicately fragrant. Handle in the same manner as gladioli. Also a nice plant for pots.

Price, each, 15c; doz., \$1.50; 100, \$10.00, prepaid.

CINNAMON VINE

(*Dioscorea Batatas*)

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.

Price, Medium Size Roots, each, 10c; doz., 90c; 100, \$6.00, prepaid.

Large Roots, each, 15c; 3 for 40c; doz., \$1.50; 25 for \$2.50, prepaid.



GLOXINIAS



GLORIOSA

GLOXINIAS

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display and bloom for a long time. Plant the bulbs in small individual pots. The soil best suited should contain plenty of leaf-mold, some sand and well-rotted manure. Place the pots in a warm window and keep moderately moist, but do not water to excess. When the roots become crowded in the first pot, the plants should be transplanted into larger ones. Protect against direct strong sunlight.

Price, each 35c; 3 for \$1.00; doz., \$3.50, prepaid.

GLORIOSA (Superba Rothschildiana) (Climbing Lily)

A splendid tropical climber, easy to grow in a warm conservatory or planted in open after all danger of freezing is over. Grows 6 to 10 feet high, producing its gorgeous lily-like flowers which open a bright yellow, but change to a deep scarlet. In bloom through the summer and autumn months. Ea. 75c; doz., \$7.50.

Bulbs for the Summer Garden



HYACINTHUS CANDICANS

HYACINTHUS Candicans (Galtonias)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

Price, First Size, each, 15c; doz., \$1.50, prepaid; Selected Size, each, 20c; doz., \$2.00, prepaid.

MONTBRETIAS

Plant Early

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are also highly valued for cut flowers and can be grown in flower-pots in the house. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

They are easily cultivated, doing best in a light loamy soil enriched with leaf mould and a little lime, no manure. When the plants are established, a little bonemeal may be given. No other attention is necessary other than weeding and watering.

Where the ground freezes deeply in the winter, they can be treated as gladioli—lifted and stored in sand in some place free from frost, ready to replant in spring. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply and produce beautiful clumps of showy autumn flowers.

Special Mixed. Price, each, 10c; 3 for 25c; doz. \$1.00; 100, \$7.00, prepaid.

Earlham Large Flowered Hybrids
They are a completely new race of flowers, the result of hybridization successfully carried out by the late Mr. Sydney Morris of Earlham Hall, Norwich. They represent an enormous advance, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches.

Aurora—A large brilliant golden orange flower. Suffused with shades of apricot.

Each, 30c; doz., \$2.75; 100, \$20.00.

His Majesty—Flowers measuring 4 inches or more across, very broad-petalled deep velvety scarlet shading down to gold, reverse of petals dark crimson shading down to gold.

Each, 30c; doz., \$2.75; 100, \$20.00.

James Coey—Rich deep vermilion-scarlet with golden-orange lustre, center yellow with crimson blotches.

Each, 20c; doz., \$2.00; 100, \$15.00.

Lemon Queen—Creamy yellow, pale center and deep orange buds.

Each, 20c; doz., \$2.00; 100, \$15.00.

Princess Mary—Bright canary yellow with crimson tips and crimson on reverse petals. Very beautiful.

Each, 35c; doz., \$3.50; 100, \$25.00.

Pocahontas—Rich coppery scarlet, with golden lustre. Center orange with small blood-crimson blotches.

Each, 25c; doz., \$2.50; 100, \$18.00.



ISMENE CALATHINA

ISMENE Calathina (Peruvian Daffodil)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. Price, each, 25c; doz., \$2.50, prepaid.

LILY OF THE VALLEY

Large Clumps—For outdoor planting, we especially recommend clumps, as they are more quickly effective. These do best in a shady, moist place.

Each, 65c; dozen, \$6.00; prepaid.

MADEIRA VINE

(Boussingaultia Baselloides.)

One of the best and most popular climbers for foliage effect. Increases very rapidly, large roots.

Price, each, 10c; 3 for 25c; doz., 90c; 25 for \$1.75, prepaid.

MILLA BIFLORA

New introduction from Mexico where it is called Estrellitas, or Little Stars, by the country people. Showy white flowers, opening out flat, waxy in texture, about two inches in diameter, with six petals not quite separated. A faint stripe of soft apple green runs from tip to base on the outside of each petal. The stems are wiry, 12 to 18 inches tall, bearing two to seven flowers each. Foliage inconspicuous. Very free blooming from July to September. Flowers cut well and have a pleasant lily-like fragrance. Should be dug in Fall except in milder climates.

Each, 25c; 3 for 50c; doz., \$2.00.

OXALIS

Summer-Flowering—Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white, red, pink.

Price, either color, doz., 30c; 25 for 50c; 100 for \$1.75, prepaid.

RANUNCULUS (Buttercup)

Beautiful double flowers, resembling rambling roses. Grow from a foot to two feet tall. Our special mixture contains all shades of red, pink, orange, yellow, and a few white. Bulbs are curious, claw-shaped, which should be soaked overnight, then dried (not in sun) for half a day before planting, claws downward. This plant is a half-hardy perennial which will live through the winter if given a good covering of leaves or straw.

French Hybrids—Doz., 60c; 100, \$4.00; 1000, \$35.00.

Victoria Hybrids (Special Strain)—Doz., 75c; 100, \$5.00; 1000, \$45.00.



MONTBRETIAS

SPREKELIA Formosissima (Jacobean Lily)

Closely allied to the Amaryllis, bearing showy brilliant crimson flowers. Dormant bulbs planted in the border early in May will flower within 3 or 4 weeks after planting, or they may be flowered as pot plants in the house during the early spring months.

Medium Size—Each, 20c; doz., \$2.00; 100, \$15.00.

Large Size—Each, 25c; doz., \$2.50; 100, \$18.00.

TUBEROSES Double

(Polianthes Tuberosa.)

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut-flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier.

Excelsior Dwarf Pearl Double

Mammoth Bulbs—Each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

First Size—Each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Second Size—Price, doz., 50c; 25 for \$1.00, prepaid.

Single Varieties

Variegated—An early single flower, with striped leaves.

Price, each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Albino—Branching single variety, early and very free-flowering.

Price, each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Mexican Tuberose—They have tall, stiff stems, flowers pure white, single; true tuberose fragrance.

Price, doz., 50c; 25 for \$1.00, prepaid.



TUBEROSES



RANUNCULUS



SPREKELIA

Storing Tuberous Rooted Begonias

It is not difficult to carry tuberous rooted begonias from one year to another if the tubers are properly cared for. Plants growing in beds should be lifted before hard frosts come. The tubers should be dried and packed in sand, sawdust or peat moss. Then they should be stored in boxes and placed in a room or cellar with a temperature kept close to 50 degrees. They should be started into growth in late February or March. It is important not to delay much later than March 15. Plants in pots should be dried off gradually and then stored in a dark place with a temperature at 50.

CROCUS FALL FLOWERING

READY IN AUGUST

Speciosus. Deep blue.

Zonatus. Soft lilac.

Doz., 50c; 100, \$3.50, prepaid.

Lancaster, Missouri.

The bulbs I received some time ago far surpass any I have ever bought.

Mrs. Charles Farrell.

Bulbs for the Summer Garden—Continued



ZEPHYRANTHUS

ZEPHYRANTHUS

Fairy Lily, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, doz., 50c; 25 for 80c; 100, \$3.00, prepaid.

Rosea—Beautiful clear rose; flowers large and very handsome.

Price, each, 15c; doz., \$1.40; 100, \$8.50, prepaid.

Chicago, Ill.

I must tell how pleased I was with my beautiful Gold Banded Lily, Calla lily and Madonna lilies. They were all bought from your store. Such a wonderful garden, a dream garden.

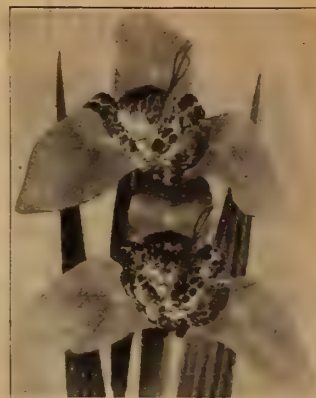
Miss Lulu Wagner.

TIGRIDIA

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.

Red shades	Each	Doz.	100
Yellow	\$0.20	\$1.75	\$12.00
Orange			
Blush Pink shades			
Rose	.25	.250	18.00
White			
Mixed.	Price, each 15c; doz., \$1.50; 100, \$10.00, prepaid.		



TIGRIDIA

CONVALLARIA-MAJALIS
(LILY OF THE VALLEY)

Parson's Giant. Improved type, exceptionally strong growth, large bells on tall stems, followed by red berries. Hardy, originally from Sweden. Clumps, 4 to 6 buds, per clump, each, 75c; doz., \$7.50.

Lilies for Spring Planting

HARDY lily bulbs, of 1936 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

Lilies are truly among the most beautiful of all bulbous plants. They are especially suitable for planting in herbaceous borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 5 to 6 inches below the surface, and to prevent the accumulation of excessive moisture surround the bulb with coarse sand, and fill in with a mixture of fibrous loam and leaf-mould. Refrain from planting in a lime or chalky soil.

Many varieties are termed "stem-rooters"—that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

For the smaller varieties, plant in clumps, each bulb about 6 inches apart, leaving more space for the strong and larger species. The most striking mode of planting is in groups of 3 to 9 bulbs in a mass.

AURATUM PLATYPHYLLUM (Improved Auratum)—Superior to Auratum in larger flowers, profuse blooming, and glossy foliage. First Size (8-9 inches), each, 35c; doz., \$3.50; 100, \$25.00; prepaid. Mammoth Size (9-11 inches), each, 45c; doz., \$4.50; 100, \$35.00; prepaid. Jumbo Size (11-13 inches), each, 55c; doz., \$5.50; 100, \$45.00; prepaid.

AURATUM—The Gold-Banded Lily of Japan, grows four to seven feet tall blooming in July and August. First Size (8-9 in.), ea., 25c; doz., \$2.50; 100, \$20.00; prpd. Mammoth Size (9-11 in.), ea., 35c; doz., \$3.50; 100, \$27.00; prepaid. Jumbo Size (11-13 in.), ea., 45c; doz., \$4.50; 100, \$35.00; prpd.

BATEMANNIAE—Gorgeous deep apricot colored lily resembling Umbellatum July flowering. 3 feet. Each, 30c; doz., \$3.00; 100, \$20.00; prepaid.

BROWNII—Massive trumpet shaped flowers, deliciously fragrant. They open pale yellow and fade quickly to a pure, creamy white color. The outside of the trumpets is bronze. Easy to grow if good drainage is provided. Height 2½ to 3½ ft. Each, 50c; per doz., \$5.00.

CANADENSE—Mixed, red, and yellow, grows two to five feet; often as many as forty flowers. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

LILIUM ELEGANS (Lilium Thunbergianum)—A very beautiful group of showy Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rock-gardens.

Mixed. Good range of reds and yellows. Each, 20c; doz., \$2.00; per 100, \$15.00; prepaid.

LILIUM HANSONI—The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, 45c; doz., \$4.50; 100, \$35.00; prepaid.

LILIUM HENRYI—A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage. 8 to 9 inch, each, 20c; doz., \$2.00; 100, \$15.00; prepaid. 9 to 11 inch, each, 30c; doz., \$3.00; 100, \$20.00; prepaid.

LILIUM JAPONICUM (Formerly Lilium Kramerii)—The flowers, a lovely shade of pale pink, are tubular, being held in horizontal position. They first form a wide cup, and then the petals, with their frilly margins, spread out and curl around. Flowers in June. This lily is not an easy garden subject, and is best grown in pots and after all danger of frost is over can be set out in the garden. Plant five inches deep, in a light, peaty soil which must be well drained. Each, 30c; doz., \$3.00; 100, \$22.00; prepaid.

LILIUM LONGIFLORUM (Outdoor Easter Lily)—Large, tubular flowers of pure white, giving forth a pleasing fragrance. This lily is the same as the Easter lily in appearance, but is a better garden subject, as it can withstand a lower temperature. Each, 25c; doz., \$2.50; 100, \$18.00; prepaid.

LILIUM PARDALINUM (Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown, from the Sierra Nevada Mountains of California. One to thirty flowers on a 3-6 foot stem. Each, 30c; doz., \$3.00; 100, \$20.00; prepaid.

LILIUM REGALE—The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flower, besides being eminently beautiful, possesses a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance. First Size (6-7 in. in circumference) each, 15c; doz., \$1.50; 100, \$10.00; prepaid. Select Size (7-8 in. in circumference) each, 20c; doz., \$2.00; 100, \$15.00; prepaid. Mammoth Size (8-9 in. in circumference) each, 30c; doz., \$3.00; 100, \$22.00; prepaid. Jumbo Size (9-10 in. in circumference) each, 40c; doz., \$4.00; 100, \$28.00; prepaid. Extra jumbo 10-11 inch. Each, 50c; doz., \$5.00; 100, \$37.00.

LILIUM SPECIOSUM RUBRUM (Magnificum) (The Lance-Leaved Lily)—The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late August and early September bloomer. Plant the bulbs eight to ten inches deep. First Size (8-9), each, 25c; doz., \$2.50; 100, \$18.00; prepaid. Mammoth Size (9-11), each, 30c; doz., \$3.00; 100, \$22.00; prepaid. Jumbo Size (11-13), each, 45c; doz., \$4.50; 100, \$30.00; prepaid.

LILIUM SPECIOSUM ALBUM—A pure white form of Lilium Rubrum. First Size (8-9), each 30c; doz., \$3.00; 100, \$22.00; prepaid.

LILIUM SUPERBUM (American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown in late July and August. Height 3-8 feet. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

LILIUM TENUIFOLIUM—The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

LILIUM—TIGRINUM SPLENDENS (Tiger Lily)—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems. Each, 15c; doz., \$1.50; 100, \$11.00; prepaid.

LILIUM—TIGRINUM FLORE PLENO (Double Tiger Lily)—Probably the only desirable double flowered lily in cultivation. Colors and habit same as that of Tigrinum Splendens. Each, 20c; doz., \$1.75; 100, \$12.00; prepaid.

LILIUM UMBELLATUM (Subspecies of Davuricum)—They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape. **Grandiflorum**—Orange red, very large flowers. Each, 25c; doz., \$2.50; 100, \$20.00, prepaid.

LILIUM PHILLIPINENSE FORMOSANUM—A refined and graceful lily with long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish-brown. Plants grow to height of two to three feet, very robust and offer great resistance to wind and weather. Hardy, very fragrant and one of the loveliest of new varieties. Each, 25c; doz., \$2.50; 100, \$18.00, prepaid.



Henryi. Each, 20c; doz., \$2.00.



Umbellatum. Each, 25c; doz., \$2.50.

Vaughan's Hardy Climbing Vines



EVERBLOOMING HONEYSUCKLE
(*Lonicera Heckrottii*)

TO MAKE a green canopy over pergolas, clothe bare walls with beauty, adorn trellises, transform fences into walls of green, and for many other purposes, hardy climbing vines are useful in the garden. We list varieties of proved merit, among which will be found subjects suitable for any of the uses mentioned.

BITTERSWEET (*Celastrus Scandens*)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2 yr., 50c; 3 yr. 60c.

CREEPER (*Ampelopsis*)

Boston or Japanese Ivy. (*Ampelopsis Tricuspidata* or *Veitchii*). The grandest hardy climber in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 50c; 3 year, 70c.

Engelman's Creeper (*Ampelopsis Engelmani*). One of the hardest, best and quickest growing climbers for the North and Northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner and of greater substance. Leaves color beautifully in the fall. 2 yr., 40c.

Porcelain Ampelopsis or Turquoise Vine (*Ampelopsis Heterophylla*). A handsome and refined climbing plant for use where a quick-growing, densely covered vine is desired. It is attractive all summer because of its ornamental, various shaped leaves, prettily incised, but is charming in autumn when its crop of berries turn a bright turquoise blue. Can be grown most anywhere as it likes a poor soil and its requirements are slight. 2 yr., 50c; doz., \$5.00.

Virginia Creeper or Woodbine (*Ampelopsis Quinquefolia*). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls, fences, etc. 2 yr., 40c.

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots, 40c.

TRUMPET CREEPER

Bignonia Radicans. A robust, tall climber with great leather trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr., 50c.

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany. (New). Pink trumpet shaped flowers about 3½ to 4 inches long with red lines on the inside. Blooms in late August to frost from eyes along both sides of the stems for their entire length. Very unusual and attractive flowers that will last two weeks when cut. Strong grower. 2 yr., \$1.50.

Pink Anemone Clematis (*Clematis Montana Rubens*). The rosy-pink, Anemone-like flowers of this species are very attractive and are produced in greatest profusion over a long period. An excellent early spring flowering climber. 2 yr., 75c.

Sweet Autumn Clematis (*Clematis Paniculata*). A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Easiest to grow and most popular of all the small-flowered vines. 2 yr., 50c.

LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. They should be pruned early in spring as they produce their finest blossoms from wood made during the current year. If not pruned, the flowers which develop will be small. They require rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

Duchess of Edinburgh. Pure white, very double flowers that have as many as thirty petals. Strong growing variety with first quality blooms.

Henryi. Strong grower, flowers usually eight-petaled, 4 to 6 inches in diameter and pure white. Very hardy.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season.

Mme. Baron Veillard. Large flowers, 4 inches in diameter, of a warm shade of rosy-lavender.

Mad. Edward Andre. Flowers large, of a very beautiful bright velvety red, very free-flowering and continuous bloomer.

Ramona. An extra good hardy variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 5 varieties: 1-year, 2½ inch pots, each, 50c; 2-year, each 75c; 3-year, each, \$1.00.

Gold Medal Collection. One each Jackmani, Henryi and Mad. Edward Andre, 1-year for \$1.25; 2-year for \$2.00; 3-year for \$2.75.

THREE FINE NEW VARIETIES

Belle of Woking. Handsome double flowers of silvery grey. Profuse bloomer in July and again just before frost. Hardy, strong grower with good foliage. 2 yr., \$1.50.

Kermesina. Produces a mass of beautiful wine-red flowers, with a velvety cast, from July until frost. It has a distinct color, is a good grower and a good bloomer. Hardy, 2-year, \$1.50.

Lawsoniana. Makes a glorious picture with its large petals of violet-blue surrounding violet stamens. Flowers are 5 to 6 inches across, very full with petals overlapping. A good grower and hardy. Blooms from late June until frost. 2-year, \$1.50.

Special Offer: One each of the 3 New Large Flowering Clematis, 2-year, for \$3.75.



CLEMATIS Belle of Woking



SILVER LACE VINE

SILVER LACE VINE

Polygonum Auberti. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., 75c.

HARDY ENGLISH IVY

Hedera Helix Gracilis. This variety has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places. Each, 65c.

HONEYSUCKLE (*Lonicera*)

We cannot speak too highly of this class for covering arbors, fences, pergolas, verandas, etc. They are fine for ground planting under trees, and if used on terraces or embankments will prevent washing. All are perfectly hardy and improve in beauty each year.

Everblooming Honeysuckle (*Lonicera Heckrottii*). Remarkable for large size and distinct appearance of its flowers, crimson-carminé without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 75c.

Hall's Japanese Honeysuckle (*Lonicera Japonica Halleana*). This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. 2 yr., 50c; 3 yr., 60c.

Trumpet Honeysuckle (*Lonicera Sempervirens*). Fuchsia-like scarlet flowers, very free and beautiful. 2 yr., 50c; 3 yr., 60c.

WISTERIA

To get the best bloom, do not over water or over fertilize Wisterias, but prune them regularly, cutting back all superfluous growth in August and again in September.

American Purple Wisteria (*Wisteria Magnifica*). A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long pendulous racemes in advance of the opening of the foliage. 2 yr. extra strong, 50c; 3 yr., 60c; 4 yr., 75c.

Chinese Wisteria (*Wisteria Sinensis*). A very strong growing vine that climbs high and twines tightly. Blooms very profusely early in summer; flowers violet-blue, in long pendulous clusters. The plants we have are grafts propagated from blooming wood. 2 yr., grafted, 75c.

Multijuga Naga Noda. This variety has astonishingly long clusters of light purple flowers. On well-established vines they will run 3 to 4 ft. in length. Stock very scarce. 1-yr., grafted, \$1.50.

Pink Japanese Wisteria (*Wisteria Multijuga Rosea*). The queen of the Wisterias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. 1 yr. grafted, \$1.50.

Tree Form Wisteria. See page 102.

White Chinese Wisteria (*Wisteria Sinensis Alba*). Same as the Chinese Wisteria except that the flowers are pure white. 2 yr., grafted, 75c.

Dozen plants supplied for the price of 10. Six plants of a kind supplied at the dozen rate. If wanted by Parcel Post, add 5c per plant, for postage.

Trees and Shrubs of Unusual



AZALEA MOLLIS

All Prices Are F. O. B. Our Nurseries.
Western Springs, Ill.

Except where noted, 10 of one variety supplied at 10c less than each rate; 5 of one variety supplied at the 10 rate.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B & B indicates "Balled and Burlapped".

AZALEA

Chinese Azalea (A. Mollis). 3 to 4 ft. One of the most glorious of the Azaleas, with flowers of marvelous shades of yellow, orange, lemon, salmon and terra cotta that are borne in utmost profusion before the leaves appear. It is of dwarf, compact growth with bright green foliage turning to gorgeous shades of bronze and red in fall. Unexcelled for planting in front of evergreens or wherever a dwarf, showy shrub is needed. We can supply mixed colors only. The plants we offer are full of flowering buds that will bloom this spring. 9 to 12 in., B. & B., \$1.25; 10, \$1.00; 12 to 15 in., B. & B., \$1.50; 10, \$1.25; 15 to 18 in., B. & B., \$2.50 each, 18 to 24 in., B. & B., \$3.00 each.

Torch Azalea (A. Kaempferi). 5 ft. A very handsome tall-growing variety that is one of the most popular sorts. It is of vigorous, bushy growth, and produces an abundance of beautiful fiery red-orange flowers. 18 to 24 in., B. & B., each, \$3.00; 24 to 30 in., B. & B., each, \$3.50.

BARBERRY (Berberis)

Mentor Barberry (Berberis Mentorensis). (Patent No. 99). 3 ft. A new barberry that is one of the most interesting and outstanding of new plants. It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and of perfect color—a green as dark as the Japanese Yew. With us here the leaves remain green until after the Holidays, but are dropped in late winter. An ideal shrub for low hedges or foundation plantings. 18 to 24 in., 50c; per 3, \$1.40; per 12, \$4.00; per 100, \$30.00.

Red-Leaved Japanese Barberry (Berberis Thunbergi Atropurpurea). 4 ft. Similar in all respects to the green-leaved Japanese Barberry, but the foliage is a rich, bronzy red, similar to the red-leaved Japanese Maples. It should be planted in full sun to develop its coloring. 15 to 18 in., each, 40c; per 10, \$3.00; 18 to 24 in., each, 50c; per 10, \$4.00; 24 to 30 in., 70c; per 10, \$6.00.

Truhedge Columnbarberry (Berberis T. Pluriflora Erecta). (Patent No. 110). 4-5 ft. Often mistaken for Boxwood on account of its extremely formal shape and its dense, glossy foliage which is decidedly more dense, more upright and more richly foliaged than the common Thunbergi. Of distinct pyramidal habit, it may be used for formal hedge or individual specimens without pruning. 18 to 24 in., 60c; per 5, \$2.25; per 25, \$9.75; per 100, \$36.00.

BEAUTY BUSH (Kolkwitzia Amabilis)

Its trumpet-shaped pink flowers are freely produced. Grows from 6 to 8 ft. tall and fully that wide. Absolutely hardy and makes a wonderful showing in June. 2 to 3 ft., each, 50c; 3 to 4 ft., each, 60c; 4 to 5 ft., each, 75c; 5 to 6 ft., \$1.25; per 10, \$10.00; 5 to 6 ft., specimens, each, \$1.75.

HARDY KOREAN BOXWOOD

18 in. A very hardy type of Box with light green foliage turning yellowish brown in winter. Suitable for low hedges or edging flower beds. 6 to 8 in., 60c; 10, \$5.50.

BURNING BUSH (Euonymus)

Winged Burning Bush (Euonymus Alatus). 6 to 8 ft. Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 2 to 3 ft., each, 70c; 3 to 4 ft., 90c.

Dwarf Burning Bush (Euonymus Alatus Compacta). 4 to 6 ft. A compact form that is especially attractive in the fall when the foliage turns crimson, and the whole bush resembles a ball of fire. Fine for formal effects as it may be kept trimmed to the size and height desired. 18 to 24 in., 75c; 24 to 30 in., 90c.

BUTTERFLYBUSH (Buddleia)

Ile de France (New). 3 to 4 ft. A new French variety much superior to the old popular sorts, not only in its brilliant coloring, longer, more graceful spikes of bloom, but also in its more uniform habit of growth. Forms a symmetrical bushy shrub, bearing during July, and continuing until frost, long tapering spikes of fragrant flowers of a brilliant rosy violet-purple color. 2 yr., each, 60c; per 3, \$1.50.

New Hardy Butterflybush (Buddleia Alternifolia). 4 to 6 ft. A splendid new Butterflybush that does not freeze to the ground in winter. Its flowers are lavender-purple with a reddish crimson eye and are borne many together in compact rounded clusters from the axils of the leaves in early summer. Forms a beautiful fine-leaved compact shrub with branches of a semi-weeping habit. 2 yr., each, 60c.

CHERRY, JAPANESE FLOWERING

Amanogawa (Milky Way). Unusual because of its upright growth which is similar to that of the Lombardy Poplar. This makes it valuable for formal plantings and for use in small gardens. Flowers semi-double, pale pink in color and fragrant. 4 to 5 ft., \$2.25.

Fujisan (Mt. Fuji). 20 ft. A beautiful variety that produces an abundance of large double or semi-double, snow-white, fragrant flowers, about 1½ inches wide. Late flowering. 4 to 5 ft., each, \$2.25.

Kwanzan (Sekizan). 20 to 25 ft. Often called the handsomest of all the double-flowering cherries. It forms an upright spreading tree with gray bark and deep green leaves. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose. 4 to 5 ft., \$2.25.

October Cherry (Prunus Subhirtella Autumnalis). This variety not only produces a quantity of single pink passing to white blossoms in spring, but usually produces another crop in the fall. Very beautiful. Has the longest blooming period of all. 4 to 5 ft., \$3.00.

Sieboldi (Naden). 20 ft. A very popular late-flowering variety. The flowers, a deep blush-pink in color, are very large and produced in great abundance. A vigorous grower adapted for street or lane plantings. 4 to 5 ft., \$2.25.

Double Flowering Weeping—Subhirtella Type. In early spring its very slender, pendulous limbs are covered with myriads of small double pink flowers. 5 to 6 ft. stems, 2 yr. heads, \$3.50.

Double Flowering Weeping—Serrulata Type. (Umbrella-shaped.) Its double pink flowers are large and similar in size and color to those of the variety Kwanzan. 5 to 6 ft. stem, 2 yr. head, \$4.00.

CRAB, FLOWERING (Malus)

Bechtel's Double-Flowering Crab (Malus Ioensis Bechteli). 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$1.25; 4 to 5 ft., \$1.60; 5 to 6 ft., \$2.25.

Carmine Crab (Malus Atrosanguinea). 10 to 15 ft. Similar to the Japanese, with carmine flowers which do not fade. 4 to 5; 5 to 6 ft.

Redvein Crab (Malus Niedzwetzkyana). 10 to 15 ft. A showy tree with remarkable single red flowers followed by red fruits about one inch in diameter in October. Bark and wood are tinged with red. 4 to 5 ft.; 5 to 6 ft.

Japanese Flowering Crab (Malus Floribunda). 10 to 15 ft. Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter. 5 to 6 ft.

Price of above, except where noted, 4 to 5 ft., \$1.50; per 10, \$12.50; 5 to 6 ft., \$1.75; per 10, \$15.00. Sizes which we have to offer, noted after each variety. Write for prices on larger sizes and for complete list of varieties.



MENTOR BARBERRY

CORNUS

Cornelian Cherry (Cornus Mas). 10 ft. Presents a charming sight in March or early April when its branches are wreathed with clusters of tiny bright golden yellow flowers. They remain in good condition for three or four weeks and are never injured by frost. Forms a broad, shapely bush with bright green leaves and scarlet, cherry like fruit late in summer. 2 to 3 ft., 75c; 10, \$6.00.

Red Flowering Dogwood (Cornus Florida Rubra). 15 ft. A small, upright growing tree that produces large, deep rose-colored flowers in early spring. Very showy. Foliage grayish green, turning to brilliant crimson in autumn. For best results, mulch after the ground is frozen in the fall and do not remove it until in late spring. 2 to 3 ft., B. & B., \$2.00; 3 to 4 ft., B. & B., \$3.00; 4 to 5 ft., B. & B., \$4.00.

COTONEASTER

Rock Cotoneaster (Horizontalis). 1 to 1½ ft. "Most popular of the red-fruited varieties," said the late E. H. Wilson of the Arnold Arboretum. A dwarf shrub with densely spreading horizontal branches almost prostrate. Much appreciated in rockeries and the front of borders. 12 to 15 in., B. & B., each, \$1.00; per 10, \$7.50; 15 to 18 in., B. & B., \$1.25; per 10, \$10.00.

Spreading Cotoneaster (Divaricata). 5 to 6 ft. Especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The leaves turn a brilliant crimson before they fall. An excellent hedge plant. 2 to 3 ft., each, 60c; per 10, \$5.00; per 100, \$40.00; 2 to 3 ft., B. & B., each, 90c; per 10, \$8.00; 3 to 4 ft., each, 75c; per 10, \$6.00; per 100, \$50.00; 3 to 4 ft., B. & B. each, \$1.00; per 10, \$9.00.

DAPHNE

February Daphne (Daphne Mezereum). 3 to 4 ft. A very rare, hardy shrub with erect branches that are thickly studded with deep red flowers in early spring, long before its leaves appear; delightful, intense Oriental fragrance. Will succeed in partial shade. 12 to 15 in., B. & B., \$1.50; 15 to 18 in., B. & B., \$1.75.

Rose Daphne (Daphne Cneorum). 1 ft. A gem for the rock garden or for edging borders. A dwarf evergreen shrub of trailing habit with leaves of dark glossy green, glaucous beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, rather sandy soil. In cold climates the plants should be protected during winter. 6 to 8 in., B. & B., each, 90c; 9 to 12 in., B. & B., each, \$1.25; 12 to 15 in., B. & B., each, \$1.50.

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.

Beauty and Distinctive Charm



AUTUMN LILAC (*Syringa Microphylla*)

CHINESE ELM HEDGING

Ulmus Pumila (Chinese Elm Hedging). Chinese Elm is destined to become one of our leading hedge and windbreak plants. It forms a beautiful, dense, impenetrable hedge with small, dark green foliage that it holds until late in the autumn. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 18 to 24 in. seedlings, not transplanted, 10, \$1.00; 50, \$4.50; 100, \$8.00. 2 to 3 ft. seedlings, not transplanted, 10, \$1.50; 50, \$6.00; 100, \$10.00. 5 to 6 ft., transplanted, \$1.25; 10, \$10.00.

Write for prices on Chinese, American, Moline and Vase Elms in large size.

FIRETHORN (*Pyracantha*)

Laland Firethorn (*Pyracantha Coccinea Lalandi*). 5 to 6 ft. An almost evergreen shrub allied to both the Thorn and Cotoneasters. Dwarf with slender branches with numerous short thorns. Flowers white, in large clusters, followed in fall by brilliant orange-berried. Prefers a sunny location in almost any soil. 18 to 24 in., B. & B., \$2.00; per 10, \$17.50.

FRINGETREE

White Fringetree (*Chionanthus Virginica*). 9 to 15 ft. Spreading shrub or small tree of neat elegant habit. At about the time the Iris are at their best, a thick white mist of pendant fringe-like flowers, mixing with large leathery leaves, present a unique sight. The attractive glossy leaves increase its value as a lawn specimen. 3 to 4 ft., \$1.00.

Purple Fringe. See Smoketree (*Rhus Cotinus*).

HAWTHORN (*Crataegus*)

Paul's Double Scarlet Hawthorn (*Crataegus Oxyacantha Splendens*). 12 to 15 ft. The most beautiful and showy of the double-flowering thorns, with lovely blossoms of bright scarlet color, large, full and very double. It forms a small tree or large shrub, and makes a fine specimen for the lawn. 3 to 4 ft., tree form, \$1.75; per 10, \$15.00. 4 to 5 ft., tree form, \$2.00; per 10, \$17.50; 5 to 6 ft., \$3.00.

HEATHERMINT (*Elsholtzia Stauntoni*)

3 to 4 ft. An excellent autumn flowering shrub producing attractive spikes of reddish purple flowers, resembling heather; September and October. The leaves of the plant, when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in. 75c.

HYDRANGEA Oak Leaved

Nikko Blue. 2 ft. A beautiful hardy blue Hydrangea. As the bloom buds are formed on the previous season's growth, they should be entirely covered with loose straw or leaves for the winter. Use a little alum when planting to assure the best blue color. 2 yr., \$1.00.

Oak-leaved Hydrangea (*Hydrangea Quercifolia*). 3 to 5 ft. The leaves are a dark green in summer, turning to richest red in autumn. They will stand some shade and smoky city conditions and are well adapted to foundation or low border plantings. Flowers are pinkish white, borne in upright clusters in June. 18 to 24 in., 75c; 2 to 3 ft., \$1.00.

HOLLY (*Ilex*)

Opaca Femina (American Holly). 20 ft. This beautiful, hardy tree is universally loved and its foliage, with its bright red berries, is much used for holiday decorations. Should be planted in full sun and in an acid soil. The plants we offer have been grafted and will produce berries. 15 to 18 in., B. & B., \$2.50.

HONEYSUCKLE (*Lonicera*)

Lonicera Korolkowi Floribunda. 10 ft. Twiggy growth, arching in habit and with a mass of gray-green foliage. The masses of delicate pink flowers are carried high on the plants producing a misty effect. Conspicuous dark red fruits. 3 to 4 ft., 70c; 4 to 5 ft., 85c.

Winter Honeysuckle (*Lonicera Fragrantissima*). 4-5 ft. The first of the Honeysuckles to bloom, the small creamy-white, very fragrant flowers coming in March or early April before the leaves are expanded. Leaves leathery, dark green and almost evergreen. Sometimes called Fragrant Honeysuckle on account of the delicious scent of their flowers. 3 to 4 ft., 50c.

AUTUMN LILAC

Syringa Microphylla. 6-8 ft. In addition to its beautiful and lavish display in spring, this variety never fails to give a number of lovely flower sprays every autumn. The individual flowers are lavender purple without, white within, and are delightfully fragrant. The plants grow freely and form shapely, rounded bushes; leaves small. 3 to 4 ft., \$2.00.

NEW HYBRID LILACS (*Syringa*)

Congo. Immense, single bright wall flower red. This variety stands out in any collection and is wanted by all who see it. 2 to 3 ft.

Charles Joly. Double flowers of dark wine-red with silvery reverse. 2 to 3 ft., 3 to 4 ft., 4 to 5 ft.

Leon Gambetta. Double; enormous trusses; very large, lilac-rose flowers, very pretty; early. 2 to 3 ft., each, \$1.50.

Montaigne. Double. Pinkish mauve, very large clusters. Late. 3 to 4 ft.; 4 to 5 ft.

Pres. Loubet. Double; buds bright red, opening into crimson-purple flowers showing some white. Very choice. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.

Prices of above. Except where noted. 2 to 3 ft., each, \$1.00; 3 to 4 ft., each, \$1.25; 4 to 5 ft., each, \$2.00. Sizes which we have to offer noted after each variety.

HYBRID LILACS (*Syringa*)

Chas. X. single reddish purple; **Ludwig Spaeth**, single dark reddish-purple; **Mad. Lemoine**, double white; **Marie Legraye**, single white; **Michael Buchner**, double lilac; **Pres. Grevy**, double blue. Price of above 2 to 3 ft., 75c; 3 to 4 ft., \$1.00; 4 to 5 ft., \$1.50.

Outstanding Lilac Novelties

Katherine Havemeyer. Double, cobalt blue, flushed mauve; enormous flowers of the most perfect shape with broad imbricated lobes. One of the handsomest lilacs. 2 to 3 ft., each, \$1.50; 3 to 4 ft., \$1.75.

Marechal Lannes. Extra large trusses of double or semi-double flowers of beautiful bluish violet. Individual florets are of amazing size, the largest of any variety in our collection. A very showy lilac and one of our favorites. Fragrant. 2 to 3 ft., \$1.50; 3 to 4 ft., \$1.75.

Miss Ellen Willmott. One of the finest double white lilacs in existence. It has immense panicles, a foot long, and large individual flowers an inch in diameter. Late. 2 to 3 ft., \$1.50.

Reaumur. A beautiful dwarf variety with immense trusses of large single flowers of dark carmine and satiny rose. 2 to 3 ft., \$1.50.

SPECIAL OFFER. One each of the above four Lilacs, 2 to 3 ft., for \$5.00.

LILY OF THE VALLEY SHRUB

Pieris Floribunda. 3 to 5 ft. An unusually charming shrub because of its fine evergreen foliage and its flowers. Of low, very compact growth; small rich dark green foliage and upright panicles of waxy white flowers, which closely resemble the lily-of-the-valley blossoms, in May. Incomparable for evergreen plantings. They require an acid soil. 15 to 18 in., B. & B., \$3.00.

LINDEN, PYRAMIDAL

Linden, Pyramidal. 60 to 80 ft. A new Linden of true pyramidal form. It does not attain the extreme narrow effect of the Lombardy Poplar but will fill its place in many landscapes where a narrow tree of long life is needed. 5 to 6 ft., \$2.50; 10, \$22.50.



STAR MAGNOLIA (*M. Stellata*)

MAGNOLIA

Saucer Magnolia (*M. Soulangiana*). 20 ft. A vigorous grower and one of the hardiest of the genus. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, delightfully fragrant, rosy pink when in bud, pure white when open. A full-sized tree is a gigantic bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B. & B., \$3.50; 3 to 4 ft., B. & B., \$6.00; 4 to 5 ft., B. & B., \$9.00; 5 to 6 ft., B. & B., \$12.00.

Star Magnolia (*M. Stellata*). 12 ft. The first Magnolia to blossom. No plant flowers more freely, and in early spring its semi-double, snow-white flowers of starry form appear in countless numbers and attract attention on all sides. 2 to 2½ ft., B. & B., each, \$5.00; 2½ to 3 ft., B. & B., each, \$7.50.

MAPLE (*Acer*)

Purple Sycamore Maple. (*Acer Pseudoplatanus Purpurescens*). 40 to 50 ft. A distinctive new purple-leaved Maple of robust spreading habit. Large leaves, dark healthy green above but on the lower face a rich purple red which is retained all summer. The winged seeds, on ripening, turn a bright red, giving the tree the appearance of being in bloom. 5 to 6 ft., \$2.50; 10, \$20.00.

Red-Leaved Japanese Maple (*A. Palmatum Atropurpureum*). 6 to 8 ft. Very striking as a specimen tree or small shrub on the lawn. The foliage is red in spring, later changing to an attractive dark bronzy green. The plants we offer are of the true red variety. 2 to 3 ft., B. & B., \$3.50; 3 to 4 ft., B. & B., \$4.50.

MAIDENHAIR TREE

Ginkgo Biloba. 50-60 ft. A highly ornamental tree of slender upright habit. The leaves are fan-shaped, resembling the maidenhair fern, and are a deep green, turning to rich golden yellow in fall. Native of China and although now quite rare, it is the oldest species in cultivation. It is immune to the attacks of insects and diseases and will thrive in the unnatural conditions of our cities. 5 to 6 ft., \$2.50; 6 to 8 ft., \$3.50.

MOCK ORANGE (*Philadelphus*)

Enchantment. 5 ft. A new variety having long, erect branches loaded with thick panicles of double white flowers of most striking appearance. An improved Bouquet Blanc. 2 to 3 ft., 75c.

Innocence. 5 ft. Long arched branches carrying a wealth of large single flowers of the purest white, assuming the appearance of snowy sheaves of bloom. 3 to 4 ft., 90c.

Virginalis. 7 to 8 ft. One of the most beautiful shrubs growing. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual, single or semi-double flowers throughout the summer. 2 to 3 ft., 50c; 10, \$4.00; 3 to 4 ft., 60c; 10, \$5.00; 4 to 5 ft., bushy, 75c; 5 ft., specimens, \$1.50.

We have a large collection of Lilacs and Mock Oranges. Write for our Nursery Catalog giving complete list.

Trees and Shrubs of Unusual Beauty



VITEX Negundo Incisa

ESPALIER OR TRAINED FRUIT TREES

Ask for our circular illustrating with prices these highly ornamental and productive trees which are especially suited to the small garden and for special purposes.

MOUNTAIN LAUREL

Kalmia Latifolia. 5 to 6 ft. Large showy clusters of cup-shaped pink or whitish-pink flowers in June. Glossy green, evergreen foliage that is beautiful the entire year. Should be planted in an acid soil in a shady situation sheltered from strong winds. 18 to 24 in., B. & B., \$2.75.

OREGON HOLLYGRAPE

Mahonia Aquifolia. 2 to 4 ft. An almost evergreen shrub with dark lustrous green, spiny toothed leaves that look like holly. Flowers yellow, in dense clusters appearing in spring. Berries blue or nearly black. Splendid for planting in semi-shade. 12 to 15 in., B. & B., 75c; 15 to 18 in., B. & B., \$1.00; 18 to 24 in., B. & B., \$1.25.

GOLDEN ROSE OF CHINA

Golden Rose of China (Rosa Hugonis). 6 ft. This is one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. It never winter-kills. 2 year, 70c.

NEW HYBRID RUGOSA ROSES

Agnes. 5 to 6 ft. The flowers are a rich amber yellow, double, sweetly scented and come early in June. It is a vigorous grower with grey-green, crinkled foliage. 2-year, 75c.

F. J. Grootendorst. 5 to 6 ft. A cross between the Rugosa and the Crimson Baby Rambler. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, 75c.

Rugosa Dr. Eckener. 5 to 6 ft. Large, fragrant, cup-shaped flowers of luminous buff-pink with golden suffusion. Very hardy and blooms intermittently from July to September. 2 yr., 75c.

SMOKETREE or Purple Fringe

Rhus Cotinus. 10 to 12 ft. A tall shrub bearing huge, plummy masses of misty smoke-colored flowers in July. They last for a month or more and are highly ornamental. 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

SNOWBALL

Fragrant Snowball (Viburnum Carlesii). 4 ft. This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious, clove-scented fragrance. Hardy, but best planted in a somewhat sheltered position. For the first time we are able to offer these plants on their own roots. They bloom much better and are longer lived than the grafted plants. 18 to 24 in., \$1.50; 10, \$12.50; 18 to 24 in., own roots, \$1.75; 10, \$15.00.

SNOWBALL—Continued.

Viburnum Fragrans. 8 to 9 ft. A very rare and interesting new shrub that blooms in April. At that time its leafless branches are clothed with profuse trusses of white flowers that are deliciously fragrant. 2 to 3 ft., B. & B., each, \$3.00; 3 to 4 ft., B. & B., \$5.00.

RHODODENDRON

Hardy free-flowering broad-leaved evergreens that are attractive throughout the whole year. Easily grown if planted in partially shaded situations sheltered from strong winds. Full planting directions included in every shipment.

Carolina Rhododendron (R. Carolinianum). 3 to 5 ft. Unusually low and compact. The flower clusters are two to four inches across and vary in color from light blush-pink to deep rose-pink. A profuse bloomer and a very fine variety. 18 to 24 in., B. & B., \$4.00.

Catawba Rhododendron (R. Catawbiense). 4 to 6 ft. A beautiful free flowering variety that forms a well-shaped, compact clump. Very showy, large trusses of rosy-purple flowers in May. 2 to 2½ ft., B. & B., \$4.50.

Rosebay Rhododendron (R. Maximum). 10 to 15 ft. Tall growing variety with large luxuriant, deep green leaves. The flowers vary in color from creamy-white to apple-blossom pink and are borne in large trusses in late June and early July. 2 to 2½ ft., B. & B., \$4.00.



HYBRID RHODODENDRON SEEDLING

Hybrid Rhododendron Seedlings. These mixed seedlings, varying in color from white to deep crimson, are easily the finest of the broad-leaved evergreens, ideal for all landscape and garden purposes. Their bold evergreen foliage, crowned with clusters of handsome flowers in May and early June, make them a valuable addition to evergreen groups which are now becoming so popular for home plantings. Mixed colors only. 8 to 12 in., B. & B., 90c; 12 to 15 in., B. & B., with two flowering buds, \$1.50; 2 for \$2.50; 15 to 18 in., B. & B., with seven flowering buds, \$3.00; 18 in., B. & B., with 15 flowering buds, \$5.00.

Collection No. 20. Two Select Hybrid Seedlings, mixed brilliant colors, 8 to 12 in. B. & B., for \$1.60.

De Luxe Collection No. 5. Four Select Hybrid Seedlings, mixed brilliant colors, 8 to 12 in., B. & B., for \$2.95.

ROSE ACACIA

Rose Acacia or Pink Flowering Locust (Robinia Hispidia). 3 to 4 ft. An extremely beautiful shrub or small tree which in June produces a mass of large, brilliantly colored, rose-pink flowers which look like a bouquet of sweet peas. Soft green Locust foliage. Easily grown, it will thrive in almost any section. 3 to 4 ft., 75c.



WISTERIA TREE FORM

WISTERIA TREE FORM

Purple Chinese Wisteria, Tree Form or Standard. Bushy compact heads on single stems. Grafted from flowering wood, they have already bloomed in the nursery row. Fls. identical with the Chinese Wisteria described on our vine page. Very effective as specimen plants. 3 to 4 ft. stems, B. & B., \$5.50.

WITCH-HAZEL—Winter-Blooming

Hamamelis Vernalis. 5 to 6 ft. Blossoms as early as January and will continue to bloom for a time, opening during the mild weather and when the temperature drops. The flowers, of profusion, have a spicy fragrance, and vary in color from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 2 to 3 ft., \$1.00; 4 to 5 ft., \$2.00.

WINTERCREEPER (Euonymus)

Bigleaf Wintercreeper (Euonymus Radicans Vegetus). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover and is very effective when planted with evergreens. 2-year, 75c; 3-year, 90c; 3-year, B. & B., \$1.25.

VITEX NEGUNDO INCISA

Cutleaf Lilac Chaste Tree. 3 to 4 ft. An attractive and unusual shrub with handsome dark green, fernlike foliage and attractive bright lavender blue flowers produced from July until frost. 2 to 3 ft., 80c.

VENUS WEIGELIA

Weigelia Amabilis Venusta. 6 ft. From northern China. An early and profuse bloomer, displaying its rosy-pink flowers in dense clusters against dark glossy foliage. Hardier and superior to the Weigelias generally catalogued. 3 to 4 ft., 70c.

FOR A WINTER GARDEN

The following plants will give you bloom at some time during the winter and early spring months, before their leaves appear: **Christmas Rose (Helleborus Niger)**, see page 78; **Cornelian Cherry (Cornus Mas)**; **February Daphne (Daphne Mezereum)**; **Winter-Blooming Witch-Hazel (Hamamelis Vernalis)**; **Winter Honeysuckle (Lonicera Fragrantissima)**.

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.

Fertilizers are delivered within 25 miles of New York by Freight or Express at our Option.

Errata.—Prices on fertilizer in our catalog are F. O. B. Chicago. Following are New York prices.

Vaughan's High Grade Fertilizers

Vaughan's Lawn and Garden Fertilizer (5-8-6)

Five per cent nitrogen; eight per cent phosphoric acid; six per cent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor, and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$17.00; 1000 lbs., \$32.00; 2000 lbs., \$60.00.

Vaughan's Balanced Plant Ration (5-8-7)

Five per cent nitrogen; eight per cent phosphoric acid; seven per cent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash) which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$17.50; 1000 lbs., \$33.00; 2000 lbs., \$62.00.

Aluminum Sulphate. For creating acid condition in the soil. Price, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 7½ lb. bag, \$1.00; 25 lbs., \$2.25; 150 lbs., \$10.50. Write for booklet.

Bone and Blood. Tankage. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$17.00; 1000 lbs., \$32.00; 2000 lbs., \$60.00.

Blood, Dried. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants.

Price, 25 lbs., \$2.00; 50 lbs., \$3.75; 100 lbs., \$5.25; 500 lbs., \$25.00; 1000 lbs., \$47.00; 2000 lbs., \$90.00.

Bloom Aid Tablets. Best for potted plants; bury each tablet about one inch down in the soil; they disintegrate rapidly; use two tablets for 4 inch pot. Directions enclosed in each package. Price per package of 115 tablets 25c.

Bloom Aid Liquid Form. Quickest in action for feeding sickly and backward plants. 8 oz., bottle 50c. Full directions on bottle.

Bloom Aid. Is a food for hungry plants, a complete nourishment for plants, flowers, shrubs, vegetables, trees, and lawns. Carefully blended to contain the right ratio and proportions of Nitrogen, Phosphoric Acid, and Potash. Price 1 lb., 25c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; ton, \$70.00.

BONE, Raw Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$16.00; 1000 lbs., \$28.00; 2000 lbs., \$55.00.

Clay's Fertilizer. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil as a top-dressing.

Price, 7 lbs., \$1.35; 14 lbs., \$2.25; 28 lbs., \$3.75; 56 lbs., \$7.00; 112 lbs., \$12.00.

Fairway Grass Food. Compounded for the feeding of turf grasses and for no other plant or purpose. Recommended by leading turf specialists and agronomists for use on lawns, golf courses and parkways. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$18.50; ton, \$70.00.

Floranid Urea. A highly concentrated inorganic fertilizer containing 46 per cent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, lb. can, 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75; 100 lbs., \$9.00.

Write for prices on larger quantities in original bags.

Flower Soil. For gardens and potting. A complete neutral scientific soil, containing basic material, organic matter and plant food. Not a fertilizer. Weed free. Price, 25 lbs., 75c; 50 lbs., \$1.35; 100 lbs., \$2.25.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards. Canadian Imported.

Price, 25 lbs., \$1.20; 50 lbs., \$1.95; 100 lbs., \$3.35; 500 lbs., \$14.00; 1000 lbs., \$25.00; 2000 lbs., \$45.00.

HORN SHAVINGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply food after the natural fertility of the soil is exhausted. Price, 25 lbs., \$2.25; 50 lbs., \$3.75; 100 lbs., \$6.50; 500 lbs., \$30.00.

HUMUS. Recommended for top dressing or use on heavy clay soils. Price 100-lb. bags, \$2.00; 500 lbs., \$9.50; ton, \$25.00.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our

"Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 3.7 per cent; total phosphoric acid, 20 per cent. Price 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.45; 50 lbs., \$2.45; 100 lbs., \$4.00; 500 lbs., \$19.50; 1000 lbs., \$33.50; 2000 lbs., \$62.00.

VAUGHAN'S REGULAR BONE MEAL.—Price, 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$3.75; 500 lbs., \$16.50; 1000 lbs., \$29.00; 2000 lbs., \$57.00.

SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.10; 100 lbs., \$3.00; 500 lbs., \$14.00; 1000 lbs., \$25.00; 2000 lbs., \$45.00.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins.

100 lbs., \$3.50; 500 lbs., \$16.00; 1000 lbs., \$28.00; 2000 lbs., \$55.00.

Leaf Mold. For correcting of clayey and sandy soil conditions. Price, 100 lbs., \$2.50; 1000 lbs., \$20.00; 2000 lbs., \$35.00.

Lime, Hydrated. Price, 5 lbs., 25c; 50 lbs., \$1.25; 100 lbs., \$2.00; 500 lbs., \$8.00; ton \$25.00.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., \$2.00; 500 lbs., \$9.00; 1000 lbs., \$15.00; 2000 lbs., \$27.00.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in Nitrates, Phosphates and Potash.

Price, 1 lb., 10c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; ton, \$70.00.

Muriate of Potash. Imported Potash, once again available, should be used liberally, especially for all root crops.

Price, 5 lbs., 60c; 25 lbs., \$2.25; 50 lbs., \$4.00; 100 lbs., \$6.00. Write for prices on larger quantities.

Nitrate of Soda or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but one of the cheapest and best forms in which to apply Nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding.

For the Home Garden apply as a solution one ounce to two gallons of water. Price (subject to market changes), 1 lb., 25c; 5 lbs., 60c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$4.20; 500 lbs., \$18.00; ton, \$60.00.

Nitrophoska. A highly concentrated inorganic fertilizer, clean and odorless. 15 per cent Nitrogen, 30 per cent phosphoric acid and 15 per cent Potash. 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75.

Write for prices on larger quantities in original bags.

Peat Moss, Granulated. A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Bale of about 20 bushels, \$3.50. 10 Bales at \$3.25 per Bale.

Potting Soil. (Blended) Price, 25 lbs., 75c; 50 lbs., \$1.20; 100 lbs., \$2.00.

Poultry Manure. This is a pure poultry manure, use it to enrich the soil for flowers, shrubs, lawns and garden. Price, 100 lbs., \$4.00; 500 lbs., \$18.00; 1000 lbs., \$30.00; 2000 lbs., \$55.00.

Scotch Soot (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms.

Price, 25 lbs., \$2.50; 50 lbs., \$3.50; 100 lbs., \$5.00; 500 lbs., \$24.00.

Sulphate of Ammonia. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet.

Price, 5 lbs., 50c; 25 lbs., \$1.65; 50 lbs., \$3.00; 100 lbs., \$4.50; 500 lbs., \$18.00.

Super Phosphate. Twenty per cent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid.

Price, 5 lbs., 45c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$2.75; 500 lbs., \$12.50; 1000 lbs., \$18.00; 2000 lbs., \$30.00.

Top Soil. For Grading Purposes Ton, \$15.00.

Tree Food. (10-8-6). Made especially for nurserymen and tree experts, a dependable plant food for increasing the growth and development of shade and ornamental Trees, Shrubs and Evergreens. Price, 100 lbs., \$4.00; Ton, \$68.00.

Vigoro. Is a specially prepared plant food. It contains all of the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. Complete directions in every bag. Price, 5 lbs., 50c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

These Prices Are Subject to Change Without Notice.

Stim U Plant Tablets. For potted plants. Per pkg. 30c, postpaid.



Newest Improved Sprays and Dusts

Add Postage According to Weight and Zone (Page 116.)

ACME ALL ROUND SPRAY. The latest improvement in the insecticide field, one product which will combat blight and fungus diseases, control sucking insects and destroy chewing insects in one application; safe to use on almost all fruits, vegetables, flowers and shrubs. Per $\frac{1}{4}$ lb., 35c; 1 lb., 85c.

ACME DAWG-GONE. Keep dogs away from Evergreen. Remove cap and hang tube of Dawg-Gone (opening down) in the lower branches of trees at the points of approach. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year winter or summer. Tubes, 35c each or 3 for \$1.00.

ANSUL FORMALDEHYDE DUST. Control "Damping off" of flower and vegetable seedlings. Price, 1 lb., 75c; 5 lbs., \$2.00; 25 lbs., \$5.50; 50 lbs., \$9.00.

ANTROL ANT POWDER. Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. Each, 25c.

ANTROL. Sets containing 4 jars and 4-oz. bottle of syrup, price, 75c; extra jars each, 10c. 4 oz. bottle syrup, 35c. Pint bottle of syrup, 85c; gal., \$3.50.

ANTROL READY FILLED SETS. Consisting of four patented glass "feeders" filled with regular antrol syrup, price per set, 40c.

ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York.) Per box, 40c; smaller size, 25c; by mail, 5c extra.

APHIS SPRAY. Improved Nicotine Spray. Combining a soft fish oil soap with black leaf 40. Price per 3 oz. tube, 35c; 12 oz. tube, 95c.

APHINE. $\frac{1}{2}$ pt., 40c; pt., 75c; 1 qt., \$1.10; 1 gal., \$3.00.

ARSENATE OF LEAD. (Dry.) For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb. carton, 35c; 4 lbs., 85c; case of 24 lbs., \$4.00; 100 lbs., \$13.50.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Price, 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50; 100 lbs., \$22.50.

BLACK LEAF 40, is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 35c; 5 oz. can, \$1.00, makes 40 to 100 gallons; 1 lb. bottle, \$2.25, makes 40 to 200 gallons; 2-lb. can, \$3.25, makes 200 to 500 gallons; 5-lb. can, \$5.85, makes 400 to 1000 gallons; 10-lb. can, \$10.60, makes 840 to 2100 gallons.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 35c; 4 lbs., 85c; case of 24 lbs., \$4.00.

CALO-CLOR powder for prevention of brown patch on lawns. 1 lb., \$2.50; 5 lb., \$11.75.

CALCIUM, ARSENATE. (Dry.) Lb., 35c; 4 lbs., 85c.

CARBON DISULPHIDE. For ants and cut worms. (By express only). 1 lb., 50c; $\frac{1}{4}$ lb., 25c.

CALO-GREEN POWDER. For control of neck rot or scab on gladioli. 1 lb., \$2.50; 5 lbs., \$11.75.

CORROSIVE SUBLIMATE. U.S.P. powder. 1 lb., \$1.75; 5 lbs., \$7.75; 10 lbs., \$15.00.

CUPROCIDE. Use for dusting seeds to insure germination, and prevent damping off. May be used as a spray for mildew, etc. 4 oz., 35c; 1 lb., 95c; 5 lbs., \$3.95.

CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) 4 oz. tin, 30c; $\frac{1}{4}$ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphis, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. (By express only). Write for leaflet.

DENDROL. A dormant spray oil. Gal., \$1.25; 5 gal. drum, \$5.00; 15 gal. drum, \$9.00.

DERRISOL. Is an odorless non-poisonous liquid, which will control sucking insects like aphids, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; 8 oz., \$1.20; 2 lbs., \$3.00; 10 lbs., \$12.00.

DOG-SHO. Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Leaves an odor scarcely noticeable by humans but very offensive to animals. Qt., 75c; gal., \$1.75.



DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 60c; by mail, 70c.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.50.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25.

FLOWERS OF SULPHUR. For dusting. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Pint, 65c; 1 qt., \$1.10; gal., \$3.00.

FUNGITROGEN. A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. $\frac{1}{2}$ pt., 75c; pt., \$1.25; qt., \$2.00; gal., \$6.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. 1 lb., 40c; 5 lbs., \$1.50; 25 lbs., \$6.50.

HELLEBORE POWDERED. White. Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; 1 qt., \$1.25; 5 lbs., \$2.25; 10 lbs., \$4.00.

KALITE. A better and safer protection for vegetables, fruits and flowers. A non-poisonous insecticide in powder form for controlling chewing and eating insects; not to be mixed with water; can be applied with any standard duster. Price, 1 lb., 35c; $\frac{3}{4}$ lb., \$1.00; 50 lbs., \$5.50; 100 lbs., \$10.00.

LEMON OIL. Destroys mealy bug, scale, red spider. $\frac{1}{2}$ pt., 30c; pt., 50c; qt., 75c; $\frac{1}{2}$ gal., \$1.50; gal., \$2.50; 5 gals., \$10.00.

LETHANE 440. A very effective insecticide for controlling red spider and mealy bug. Qt., \$3.50; gal., \$10.00.

LETHANE SPREADER. Gal., \$2.00.

LIME SULPHUR. (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Per qt. can, 45c; 1 gal., \$1.00; 5-gal. can, \$4.00. Write for prices in barrel lots.

LUTZITE. A triple duty dust. Controls sucking and chewing insects, also a very effective fungicide. Lb., 50c; 2 lbs., 85c; 10 lbs., \$3.50.

McCLLOUD SENTINEL RED SQUILL LIQUID. Kills rats, not a poison, safe to use anywhere. Small size makes 50 baits, price, 60c; large size makes 100 baits, price, \$1.00; by mail, add 10c.

NAPTOCIDE. New plant and bulb fumigant; effective against thrips, wood-lice, sow bugs, wire worms, etc. 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.00; 50 lbs., \$7.00; 100 lbs., \$13.00.

NEW EVERGREEN SPRAY. Non-poisonous insecticide. No spreader required; retains its strength. Oz. bottle, 35c; 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.00.

NICO-FUME POWDER FUMIGATOR. Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 5-lb. tin, \$4.00; 10-lb. tin, \$7.00.

NICO-FUME POWDER PRESSURE FUMIGATOR. Is now burned under pressure in the can in which it is packed. $\frac{1}{4}$ lb. can, 60c; doz., \$6.00; 1 lb. can, \$1.00; doz., \$9.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine. 1 lb., \$2.50; 4 lbs., \$6.50; 8 lbs., \$12.00.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, \$1.50; 144 sheets, \$5.50; 288 sheets, \$10.00.

NICOTINE PYROX. For chewing and sucking insects. 10-oz. jar, 50c; 5 lb., \$2.00.

NIKOTEEN. 30% grade. For Spraying and Fumigating. Oz. bottle, 35c; $\frac{1}{2}$ pt., \$1.00; pt., \$1.75; 3 pts., \$5.00; original case 10 lbs., \$16.00. 40% grade, 4 lbs., \$7.00; 8 lbs., \$12.00.

PARIS GREEN. A poisonous insecticide in powder form; for insects which chew. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.

PENETROL. An activator for nicotine spraying solutions. Qt., 75c; gal., \$1.75; 5 gals., \$6.75.

PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 40c; qt., 75c; gal., \$1.75.

POMO GREEN. Without nicotine. The new green Fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 50c; 5 lbs., \$1.75; 25 lbs., \$8.00.

POMO GREEN. With nicotine. 1 lb., 75c; 5 lbs., \$3.00.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$5.00; 50 lbs., \$7.25; 100 lbs., \$12.50.

RED ARROW. Non-poisonous, kills by contact, will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Oz., 35c; 4 oz., \$1.00; pint, \$2.50; qt., \$4.00; gal., \$12.00.

ROTECIDE. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphids, etc. Oz., 35c; $\frac{1}{2}$ pt., \$1.00; pt., \$1.75; qt., \$3.00; gal., \$8.00.

ROTECIDE INSECT DUST. The standard rotenone dust for killing insects in greenhouses, stables, dog kennels and in the field. 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50; 25 lbs., \$4.50.

ROTOGREEN. Very effective for thrip, red spider and mealy bug in addition to the more easily controlled pests. Does not burn and leaves no poisonous residue. Pt., \$2.00; qt., \$3.50; gal., \$12.00; 5 gals., \$48.00.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale, and invigorates growth. Use 1 gal. to 15 gals. water. Qt., 65c; gal., \$1.55; 5 gals., \$5.50; 10 gals., \$9.50. Write for price in barrel lots.

SELOCIDE. Kills red spiders. Price, qt., \$1.35; gal., \$3.50; 5 gals., \$16.75.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Prices, 2 oz., 35c; 1 lb., \$2.25; 5 lbs., \$9.90; 25 lbs., \$45.50; 100 lbs., \$180.00. Write for leaflets, stating for what purpose desired.

Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb., 25c; 5-lb. tin, \$1.00; 25-lb. bag, \$3.00; per keg, 125 lbs., \$12.50; barrel, 250 lbs., in bulk, \$24.40.

SLUG SHOT DUSTER. $\frac{1}{2}$ gal. size, 60c.

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Price, $\frac{1}{4}$ lb., 35c; 4 lbs., 85c; 15 lbs., \$3.00; 50 lbs., \$8.00.

SULFOCIDE. A concentrated sulphur fungicide for fruits, vegetables and flowers. Qt., 85c; gal., \$2.25.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.45; 50 lbs., \$2.25; 100 lbs., \$3.50.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 65c; qt., \$1.25; gal., \$4.80.

TOBACCO DUST. (Regular Grade.) 5 lbs., 35c; 10 lbs., 65c; 100 lbs., \$4.00.

TOBACCO STEMS. 100 lbs., \$2.50; 500 lbs., \$9.50; 1,000 lbs., \$18.00.

TREE TANGLEFOOT. Perfect safeguard for trees. 6 oz., 25c; lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.65; 25 lbs., \$12.00.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. A small kit makes 16 qts., \$1.50; B medium kit makes 64 qts., \$4.00; C large kit makes 32 gals., \$6.00. D estate kit makes 128 gals., \$20.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. $\frac{1}{2}$ pt. 40c; pt., 75c; qt., \$1.10; gal., \$3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. $\frac{1}{2}$ pt., 35c; pt., 55c; qt., 80c; gal., \$2.50; 5 gals., \$7.50.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphid, red spider, mildew, scale, etc. Price, $\frac{1}{2}$ pt., 40c; qt., \$1.00; gal., \$3.00; 5 gals. for \$12.00.

Sprayers and Dusters for Insecticides

HUDSON DU-MORE SPRAYER



Diaphragm type pump maintains high pressure until last drop of liquid is discharged. Very easy to operate. Tank holds 4 gallons. Equipped with 3 ft. hose, 2 ft. brass extension rod automatic shut-off and adjustable nozzle. For all field crops, shrubs, etc. No. 147 G Du-More, (galv. tank) ..\$13.75
No. 147 B Du-More, (brass tank) ..\$17.95

Ask for
Prices
on
insect-
icide
nozzles

WHEELBARROW SPRAYER

Ideal
No. 34S



Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or white-wash. With extra

long handle and large air chamber, develops 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. Price, \$21.00.

Shipping weight, 80 lbs.
No. 35S. Same as above, but with pressure tank and gauge. Price, \$31.75.
No. 36S. SUNSHINE. Same type as above with smaller pump and 12½ gallon tank complete with all equipment. Price, \$12.75.
No. 37S. Same as above, but with pressure tank and gauge. Price, \$22.50.

HUDSON BARREL PUMP No. 4SA

Same pump as used in Hudson Ideal outfit. Pump equipped with 6 ft. high pressure hose, 4 ft. iron extension rod, nozzle and fittings. Price, \$11.75.

No. 4SB. Same as above, but with 50 gallon steel barrel. Price, \$25.50.

No. 4SC. Same as above, but with barrel mounted on two wheel cart. Price, \$39.00.

MODOC WHITEWASH AND SPRAY PUMP

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and automobiles or white-washing and spraying poultry houses. Is fitted with nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream, solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, without bucket, \$3.75.



BAMBOO EXTENSION ROD



Lined with aluminum. Eight feet long, with stop cock. Each, \$4.25; 10 ft., \$4.50.



BLIZZARD COPPER CONTINUOUS SPRAYER

Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, \$1.85.

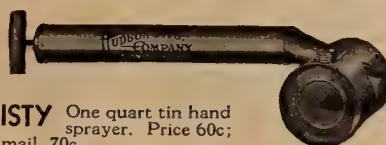
HUDSON Perfection Sprayer

The funnel top, all riveted tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for spraying white-wash, water, insecticides, etc. Galvanized steel, \$6.75; postp'd, \$7.00; all Brass, \$9.50, post'd, \$9.75.



BOTTLE SPRAYER

Especially adapted for spraying insecticides, flowers, house plants and disinfectants. Each, \$1.25.

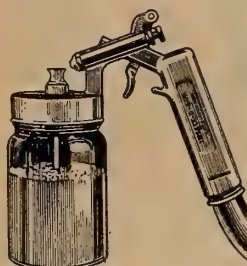


MISTY One quart tin hand sprayer. Price 60c; by mail, 70c.



PNEUMATIC SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for under-leaf spraying. Galvanized Tank \$1.25; all Brass, each, \$1.85.



INSECTO GUN

Applies all insecticides as easily as sprinkling the lawn, adjustable from a wide finely atomized fog spray to a high stream for reaching the top of trees. Each, \$3.75; postpaid, \$4.00.

SMITH'S LIGHTNING SPRAYER



A durable low priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3½ gallon capacity.

Price Galvanized, \$4.50. Brass, \$7.50.

BROWN'S NEW OPEN-HEAD

Tank heavy steel or brass copper alloy, 4-gal. capacity guaranteed for 100 lbs. pressure. Electrically welded seams, double acting pump lock, tank opening is five inches in diameter; has a rubber double grip pump handle and swivel nozzle which can be adjusted to any angle, price complete as illustrated. Galvanized tank \$5.95 Copper \$8.75.

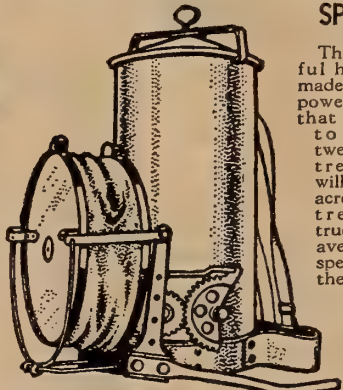


STANDARD SPRAY PUMP

This pump is a Bucket, Barrel or Knapsack pump as desired. Price, \$4.00; with knapsack and curved extension \$8.00.



Dusters and Blowers THE AMERICAN BEAUTY DUST SPRAYER



The most powerful hand duster made. Has a large, powerful bellows, that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving

air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$20.00. Write for leaflet.

No. 100 DUSTER

Complete with attachment for



dusting one or two rows. Capacity, 2 to 5 lbs., depending on powder used. Each, \$9.50.

HUDSON MAJOR DUSTER



The Major handles Paris Green, Arsenate of Lead, Calcium Arsenate, and similar poisons very efficiently. It is used for home gardens, on truck plots, in cotton, potato and tobacco fields, in the dairy barn, around the poultry houses, etc. Powder reservoir holds about 1 lb., large filler cap makes loading easy, weight about 2 lbs. Each, \$1.25.

FEENEY MODEL B DUSTER

Splendid Hand Duster, Each, 85c.

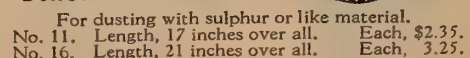


FEENEY MODEL F

Hopper capacity approximately 1 qt. Each, \$1.35. postage extra.

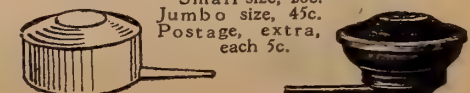


For dusting with sulphur or like material.
No. 11. Length, 17 inches over all. Each, \$2.35.
No. 16. Length, 21 inches over all. Each, 3.25.



POWDER GUN, CYCLONE

Small size, 20c.
Jumbo size, 45c.
Postage, extra, each 5c.



SAGE HI-CAPS

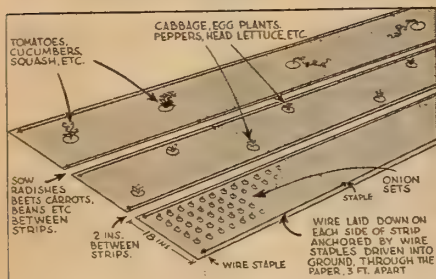


A new type of wax-paper cloche, with ventilating opening at top, 10 inches at base, 12 inches tall, which has given excellent satisfaction in tests. Used like Hotkaps. Ventilation is necessary for healthy plants.

Price, per M
1000 to 4000, \$10.50
5000 to 9000, 10.35
Aluminum Setter, each, \$1.50

Price, per M
10,000 to 24,000, .. \$10.25
25,000 and over, .. 10.00

GARDEN MULCH PAPER

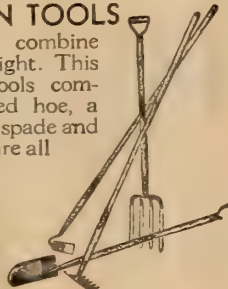


Gator-Hide mulch paper, impregnated with asphalt. Type A, 300 lineal yards, 18-in. wide, approximately 30 lbs., \$2.50 per roll. 36-in. wide, approximately 60 lbs., \$5.00 per roll. Type B, extra heavy for perennial crops, 150 lineal yards, 18-in. wide, approximately 30 lbs., \$2.50 per roll; 36-in. wide, approximately 60 lbs., \$5.00 per roll. Small garden size roll, 45 lineal feet. Price, 45c; by mail, 65c.

Write for discount on 10 rolls or more.

LADIES' AND YOUTHS' SET OF GARDEN TOOLS

Well constructed; combine strength and light weight. This set of light-weight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well-constructed tools (not toys), handy for use in camp and home gardens. Price, per set, \$3.95.



B-B IMPROVED CELERY BLEACHERS

The B-B Celery Bleachers are made in three sizes:

	Inches	Per Duz	Per 100	Per 500	Per 1,000	Per 100
B-1	6 x 12	\$40	\$2.75	\$12.75	\$24.00	9 1/2 lbs.
B-2	6 1/2 x 13	.45	3.10	13.90	26.00	11 1/2 lbs.
B-3	7 x 14	.50	3.45	15.00	28.00	12 1/2 lbs.

The B-1 size is usually used on medium or average size celery. The B-2 is for larger stalks; the B-3 is for very large stalks, especially the green varieties which usually grow much larger than the self-bleaching kinds.

Three types of handler are available:

H-1—Celery Handler, (brass) - - Each, \$2.25

H-2—Celery Handler, (heavy fibre), Each, \$1.00

When ordering, always state whether to be sent by parcel post, express or freight. If by parcel post, kindly include necessary amount for postage.



HOTEKAPS

These plant protectors mean larger, earlier, premium crops.

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around it, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, \$9.75; 5,000 lots, \$9.50 per M; 10,000 lots, \$9.35 per M; 250 Trial Package including Garden Setter with Tamper, \$3.65; 100 Home Package, including Garden Setter with Tamper, \$2.40; Germaco Hotkap Steel Setter with Tamper, \$1.50; postage extra. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 8 1/2 lbs.; 100 package, 4 1/2 lbs.; Steel Hotkap Setter, 3 lbs.; Steel Setter and Tamper \$1.50; Garden Setter, 50c; Steel Tamper, 25c.

ENGLISH COTTAGE WREN HOUSE

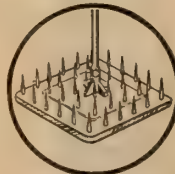


This English Cottage is the most attractive and comfortable house for our interesting little songster—the wren. It is made of cedar with four compartments and is air-conditioned. It has imitation copper gutters and down spouts, as well as bay windows and entrance with copper roof, and is made so it can be cleaned easily. This new type wren house can be hung on wire or fastened on two brackets near your window against the wall of the building. Price, each, \$3.75.



An indestructible all metal tool made of quality materials.

Weight 13 lbs. Overall length 4 feet. Plate 9 inches square. Spikes 1 1/4 inches long. Each, \$3.50.

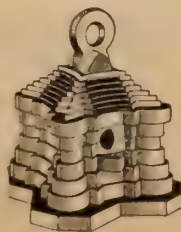


USED AS TAMPER

WOOD WRENHOUSE

Maintains even temperature. Hole just the right size, is much liked by this great songster.

A real decoration to your garden, made of solid white pine lumber, (no veneer) approximate wt., 8 lbs. Price, \$1.25: three for \$3.50.



O.K. ELECTRIC GRASS CUTTER

Trimmer and Edger

For formal gardens, terraces and small steep lawns. Completely finishes, no other implements needed. Will also trim hedge, cuts any way moved or held. Weight 5 pounds. A real implement. Price, \$17.00.

O. K. ELECTRIC HEDGE TRIMMER



No gears, no bottom to choke up, does not disturb cut after made. It is a quality practical trimmer. Heavy duty, ball bearing. Price, \$15.00. Home use, \$8.85

LITTLE WONDER Hedge Trimmer.

Will trim your hedge five to ten times faster than hand shears. Attachments come with each machine to adapt it to flat, round or pivot tops as well as side cutting; 30-inch, \$25.00; 40-inch, \$27.50; 60-inch, \$35.00.

Side-cutting carriage for trimming sides as illustrated. \$4.50.



Illustration shows trimmer with side-cutting carriage.

Electric Model

Little Wonder Hedge trimmers. Junior Model, 27-inch cutting surface. Each, with 15 ft., of wire, \$55.00. Senior Model, 36-inch, with 15 ft. wire, \$95.00. 60-inch with 15 ft. of wire, \$100.00. Extra 100 ft. length best quality rubber covered waterproof wire with handy reel, \$4.50. Write for leaflet.

MASTERS' PERFECT FERTILIZER DISTRIBUTOR

Spreads any kind of commercial fertilizer, grass seed and top dressing. It has a shut-off control and adjusting device right



on handle. 36-inch equipped with double disc wheels.

16-inch size, \$9.50

24-inch size, 13.00

36-inch size, 19.50

GARDEN SET, TRUE TEMPER



hand weeder, hand spading fork and baby Warren hoe, postpaid, \$2.75.

This is a high grade set. Each tool is forged from one solid piece of bar steel. For complete set of trowel, hand weeder, hand spading fork and baby Warren hoe, postpaid, \$2.75.

GARDEN NON-KINKABLE HOSE

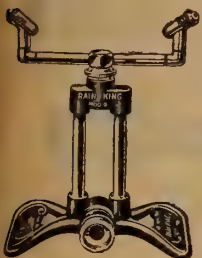


Best hose, finest quality of rubber. Will not kink and last for years. We can supply any length fitted with couplings. There is no economy in buying cheap hose. Price, $\frac{3}{4}$ -inch, per 25 feet, \$3.75; 50 feet, \$6.75; 100 feet, \$13.00.

A Good Grade Garden Hose, $\frac{5}{8}$ -inch, fitted with couplings. 50 feet length, \$3.75.

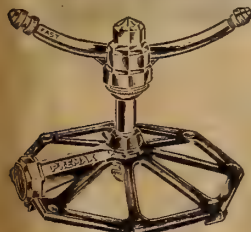
MODEL D RAIN KING

The latest Rain King, and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow for stationary sprinkling. Ea., \$2.25.



MODEL G RAIN KING

A new type home lawn sprinkler that throws every known kind of spray over circles 12 to 100 feet. Each, \$3.50.



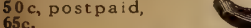
Premax Floating Head Sprinkler

Discharges $1\frac{1}{2}$ times as much water as leading competitors in the same price class, has frictionless bearings that never wear out. Price, \$2.25.



Premax Turbine Sprinkler

Throws a gentle rain in a 4 to 30 foot circle. Price, 50c, postpaid, 65c.



RAIN KING NOZZLE



Machined from solid brass; cannot tarnish or corrode. Each, 60c; postpaid, 70c.

LINCOLN PARK OR BUTTERFLY

Cheapest and best sprinkler made. Each, 40c. Mounted on stand: 2-foot, \$1.20; 4-foot, \$1.35; 6-foot, \$1.60.



ROTARY and OSCILLATING SPRINKLER

This sprinkler is adjustable at will from bell-shaped spray to full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money. Each, \$9.00; 3 for \$25.50.



BROOM RAKE. Made of spring wire. Each, \$1.25.



ROSS PORTABLE SPRINKLER

Ross Portable Sprinkler System. A good substitute for an underground sprinkling system for the small lawn at a much lower cost.

When used between lengths of hose of about 15 ft., three tees will cover about 675 sq. ft. of lawn and four tees will cover about 900 sq. ft. Each set consists of No. 30 adjustable tees and No. 58 square spray heads, with one No. 70 hose cap. Per set of three, \$3.50; weight 2 lbs.; per set of four, \$4.60, weight, $2\frac{1}{2}$ lbs.



RIP

The master rainmaker sprinkler. Each, \$1.00.

AUSTRALIAN SPRINKLER

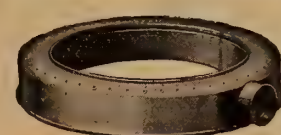
This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.



Mounted on stand, 2-foot, \$1.20; 4-foot, \$1.35; 6-foot, \$1.60; 8-foot, \$1.85.

CRESCENT SPRINKLER

Price, 60c; by mail, 70c.



FOUNTAIN SPRINKLER

The mist-like spray that has made the name Fountain known all over the land. Each, 75c; by mail, 85c.

PERFECT CLINCHING COUPLER

$\frac{3}{4}$ -inch, per pair, 25c; doz., \$2.50.

PERFECT CLINCHING HOSE MENDER

A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. $\frac{3}{4}$ -inch, each, 10c; doz., \$1.00. HOSE CLAMPS. Bull Dog. Each, 5c; doz., 50c. Prepaid.

HOSE STRAPS. Caldwell. Used in fastening coupler on hose. Each, 5c; doz., 35c. Pliers for same, 35c.

HOSE NOZZLES

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for $\frac{3}{4}$ -inch hose. Each, 60c; by mail, 65c.

Boston Rose Spray. Brass; for $\frac{3}{4}$ -inch hose; useful for watering lawn and garden. Each, \$1.35; by mail, \$1.45.



Justrite Hose Nozzle. For lawn and garden, as it can be changed from fine spray to stream. $\frac{3}{4}$ -inch, each, 35c; by mail, 40c.

Ross No. 10 Hand Sprinkler. Preferred by nurserymen and home owners alike. Capacity 13 gallons per minute.

Do not compare with cheaper imitations. Distributes water in a soft fan-like spray which will not injure the most delicate plant. Does not wash the soil into furrows. Is desirable for sprinkling new lawns and flower beds. Each, 75c.

THE EVANSTON SPRINKLER

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. Each, 60c; 3 for \$1.75.



THE COOPER HOSE MENDER



Best hose mender. Brass, with sharp barbs on either end, prevent hose slipping off. $\frac{1}{2}$ or $\frac{3}{4}$ -inch, each, 10c; doz., 95c; 1-inch, each, 12c; doz., \$1.15; postage, 5c doz., extra.

Iron Mender. For $\frac{3}{4}$ -inch hose, each, 6c; doz., 65c. HOSE WASHERS. $\frac{3}{4}$ -inch, per doz., 5c; gross, 50c.

ROSS SQUARE SPRAY HEADS FOR SCIENTIFIC SPRINKLING



54A. Price, per doz., \$6.00.

ELECTRIC WORM ERADICATOR

Is more effective than any other material, bringing the worms up and killing them on the surface where they can be raked off. Is safe to use on the finest lawn. Pint, \$1.00; gal., \$3.50; 5 gals., \$15.00; 10 gals., \$25.00.

For ordinary grass and weeds each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., 50c; gal., \$1.50; 5 gals., \$6.00; 10 gals., \$10.00; 30 gals., \$24.00; 55 gals., \$33.00.

"HERBICIDE" THE WEED EXTERMINATOR



Reade's NON-POISONOUS Weed Killer

Qt. can, 75c; gal., \$2.25; 5 gals., \$8.00.

PURFECK Chickweed Eliminator; kills only the chickweed and does not injure the grass, making it unnecessary to dig out the patches where chickweed appears or re-plant or re-sod such portions of the lawn or turf. Price, qt., 70c; gal., \$2.00; 5 gals., \$7.50.

ATLACIDE

Non-poisonous Weed Killer Duster, especially recommended for obtaining weed-free driveways, paths, tennis courts, and gutters. 1 lb. Duster kills 100 sq. ft. of weeds, price, 50c; $3\frac{1}{2}$ lb. Duster, kills 350 sq. ft. of weeds, price, \$1.50. 15 lb. drum kills 1,500 sq. ft., price, \$3.50; 50 lbs., \$7.00; 100 lbs., \$13.50. Write for prices on larger sizes.

WEED KILLER KIT

Killer Kemical kills Dandelions, Thistles, Plantain, Buckhorn and other common weeds. Does not sterilize the soil—is not poisonous or inflammable—Does not stain walks or clothing—Does not corrode or rust metals.

Killer Kane insures easy and economical application—No stooping or back-breaking. Place Kane on crown of dandelion or weed and press handle slightly. A small amount of Kemical is released and does all the work. Children as well as grown-ups can operate effectively.

Killer Kits (Kane and $\frac{1}{2}$ -gal. Kemical), \$1.95.

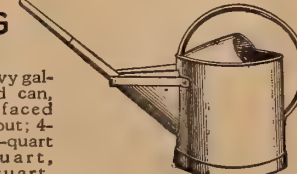
Killer Kemical, Qt., 85c; $\frac{1}{2}$ -gal., \$1.25; gal., \$2.00; 5 gals., \$8.75.

WATERING POTS

American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart, \$4.95; 6-quart, \$5.50; 8-quart, \$6.25; 10-quart, \$6.50; 12-qt., \$6.95.

French Style. Oval, otherwise same make as above, 6-quart, \$6.10; 8-quart, \$6.50; 10-quart, \$6.95; 12-quart, \$7.50.

Lawn mowers, rollers and many other heavy implements are listed in a special circular which will be mailed on request.



Tools and Requisites

SPRINKLERS, Scollay's Rubber.

Best sprinkler for plants, ferns and flowers, holds 10 fluid ounces. Large, \$1.45. By mail, \$1.50.

Spra-Bulb.

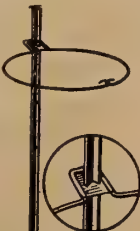
An indispensable household help used in spraying in and outside the home, ideal for moistening laundry and spraying powder on plants and animals. Each, 95c.



Scollay's

IDEAL ADJUSTABLE PLANT SUPPORT

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy 18 inch gauge galvanized stake will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., \$2.40; 4 ft., doz., \$3.25; 5 ft., doz., \$4.00.



TOMATO OR PEONY SUPPORTS—Made of heavy galvanized wire.



F.O.B. New York. Ea., 35c; doz., \$3.00.

F. O. B. Chicago. Ea., 40c; doz., \$3.25.

TIME SAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized. Java ends green. Can be adjusted

as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.



Per doz. Per 100
30-inch...\$0.95 \$7.25
36-inch... 1.15 9.00
48-inch... 2.20 16.50
60-inch... 2.75 21.00

MODEL EXTENSION CARNATION SUPPORTS

Bases or bottom circle made of No. 12 galvanized wire, top circle of No. 13 galvanized wire; diameter of top circle 6 1/2 inches, bottom circle 7 1/2 inches; total height of support extended, 24 inches; shipping weight, two-ring supports, approximately 360 pounds per thousand; three-ring supports, approximately 410 pounds per thousand. Price, 2-ring supports, \$7.50 per 100; 3-ring supports, \$8.50 per 100. Write for price in large quantities. SPADES—Special D or long handle. Each, \$1.75.

Time Saver Plant Support

STAKES, WOODEN. Painted green.

Heavy Grade (for Dahlias) Per doz. Per 100
3 ft. \$1.65 \$10.50
4 ft. 2.20 13.50
5 ft. 2.60 17.50
6 ft. 3.00 21.50

Light Grade (for smaller plants) Per doz. Per 100
1 1/2 ft. \$0.40 \$2.10
2 ft.60 3.50
2 1/2 ft.85 4.60
3 ft. 1.10 6.75

STAKES—Cane. 6 to 8 feet long...\$2.00 \$9.75
STAKES—Cane. 9 to 11 feet long... 2.50 17.50

Prices on Cane Stakes F. O. B. Chicago.
Prices at New York 10 per cent higher.

STAKES—JAPANESE BAMBOO Green Painted.

100 1000 100 1000
1 1/2 ft. \$0.85 \$4.00 3 ft. \$1.40 \$7.50
2 ft. 1.00 5.00 3 1/2 ft. 1.50 8.50
2 1/2 ft. 1.20 6.00 4 ft. 1.65 10.00

Japanese Bamboo not painted, 6 ft. 2.00 14.00

STAKES—Galvanized Wire.

No. 9 Wire Doz. 100 No. 8 Wire Doz. 100
1 1/2 ft. \$0.25 \$1.00 3 1/2 ft. \$0.50 \$2.20
2 ft.30 1.25 4 ft.60 2.45
2 1/2 ft.35 1.50 5 ft.70 2.85
3 ft.40 1.75 6 ft.80 3.45

Prices wire stakes subject to change without notice.

STAKES—HEAVY TONKIN Natural Color.

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

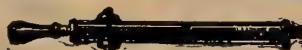
Length	Diameter	Doz.	100	Doz.	100
4 ft.	1/2 to 5/8 inch	\$0.60	\$2.75	\$0.70	\$3.25
4 ft.	3/4 to 1 inch	.80	3.75	.85	4.25
5 ft.	5/8 to 3/4 inch	1.00	4.00	1.10	5.00
6 ft.	3/4 to 1 inch	1.20	4.75	1.35	5.50
8 ft.	5/8 to 3/4 inch	1.30	5.50	1.45	6.00

SIEVES

For sifting soil. 18 inches in diameter, all sizes mesh from 1/2 to 1/2 inch. Each, \$2.50.



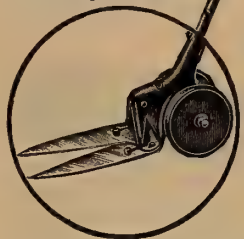
SYRINGES—Brass.



No.	Length	12 1/2 in.	15-16 in.	in diam.	Each
No. 0.	Length 12 1/2 in.	15-16 in.	in diam.	.....	\$2.95
No. D.	15 1/2 in. long, 1 1/2 in. in diam.	.....	.....	.....	4.50
No. 5.	Best for general Greenhouse use.	.....	.....	.....	7.50
No. 11.	18 in. long, 1 stream, 2 sprays.	.....	.....	.....	6.50

DOO-KLIP

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The



blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, \$2.50.

Vaughan Doo-Klip Grass Shear. Each, \$1.50. By mail, \$1.60.



Doo-Klip

GARDEX TOOLS

GARDEX PULL HOE, No. 100. Weeds and cultivates in one operation five times faster than the old conventional hoe; 5 1/2 inches wide, 5 ft., handle, weight about 3 lbs., each, \$1.10.



Gardex Pull Hoe

Gardex Culti Claw

GARDEX CULTI CLAW, No. 180.

The ideal tool with long handle for flower and rock gardens, weight about 3 lbs., 95c.

GARDEX TURF EDGER, No. 400. The greatest tool invented for edging lawns, borders and flower beds. Cuts turf vertically and horizontally in one operation by push or pull, weight about 4 lbs., each, \$1.15.



Gardex Turf Edger



TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York. If handles are required add 35c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure, depth in inches.

No.	Each	Four	No.	Each	Four
1.. 6x 6	\$0.70	\$2.60	9.. 14x13	\$1.80	\$6.80
3.. 8x 8	.75	2.80	11.. 16x15	2.20	8.40
5.. 10x 9	.95	3.60	13.. 18x17	3.00	11.60
7.. 12x11	1.40	5.40	14.. 19x18	3.65	14.00



THE CARBORUNDUM COMPANY

Carborundum Brand Home and Garden Stone. It will sharpen lawn mowers, knives, hoes, axes scythes, grass hooks and many other edge tools.

No. 198 length over all 9 1/2 inches. Each, 40c; postpaid, 50c.

SHEARS

Border—English Imported. Long handle for trimming the edges of borders and walks. 9-inch, \$5.00.

Border—American made Disston quality, 9-inch, \$4.00.

Write for leaflets and prices on Motor Mowers.



GRASS HOOKS, SCYTHES

English. Riveted back. Each, 85c

Domestic. Best quality. 75c

Kelly No. 4. Perfect grass hook. Each, 75c.



English, Riveted Back, 30-inch, \$2.75.
36-inch, \$3.00. Scythe Snath, each, \$1.95. Scythe Stone. Natural, 25c each.

TURF EDGER

American.....Each, \$1.25



SOD LIFTER

Polished steel blade, strap ferrule. D handle with bonized wood grip. Length of handle, 2 1/2 feet. Length over all, 4 feet. Price, each, \$2.25.



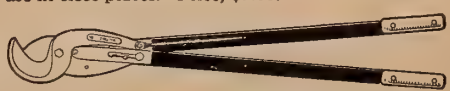
Hole-in-One Planting Tools

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 60c; postpaid, 70c. Large tool, \$4.00. Weight, 3 lbs.



THE PORTER POINTCUT PRUNER

Light in weight, 2 1/2 lbs., 20 inches long. Easy to use in close places. Price, \$5.00.



FORESTER PRUNERS

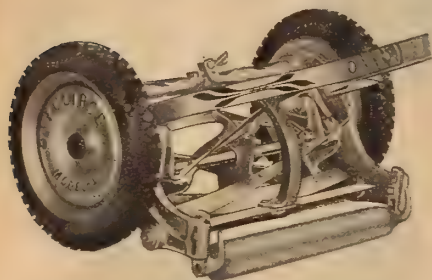
No. 1—20 inches long, designed for the fruit grower. Each, \$5.00. Weight, 2 lbs. 10 ozs.

No. 2—27 inches long, has a capacity up to 1 1/2 inch. in green wood. Price, \$6.00. Weight, 4 lbs. 10 ozs.

No. 3—34 inches long, capable of cutting up to its rated capacity in any so-called hardwood such as oak, maple and beech. Weight, 7 lbs. 4 oz. Each, \$7.00.

Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, 75c a pair, postpaid.

THE FAMOUS ECLIPSE LAWN MOVERS



Automatic self-sharpening, finger tip adjusting, saves yearly sharpening and adjusting expense. The first cost of an Eclipse is the last cost. Precision methods of manufacture assure long service. **Specifications:** Wheels, 10-inch closed type. Bearings, patented super easy running wear-proof precision adjustable bearings. Run in oil wells to provide continuous lubrication. Blades, heat treated tool steel, precision ground by latest type automatic grinding machines.

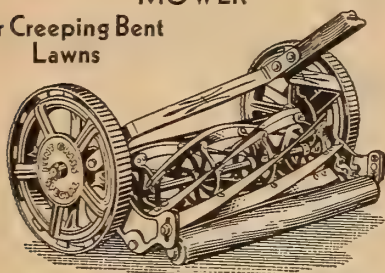
Model A—	16 in.	18 in.	20 in.
Pneumatic Tires.....	\$26.00	\$27.50	\$29.00
Standard Wheels.....	23.00	24.50	26.00

Model L—			
Pneumatic Tires.....	19.00	20.50	22.00
Semi-pneumatic Tires.....	17.50	19.00	20.50
Standard Wheels.....	16.00	17.50	19.00

Model M—			
Pneumatic Tires.....	17.50	19.00	20.50
Semi-pneumatic Tires.....	16.00	17.50	19.00
Standard Wheels.....	14.50	16.00	17.50

CRICKET SPECIAL BALL BEARING MOWER

For Creeping Bent Lawns

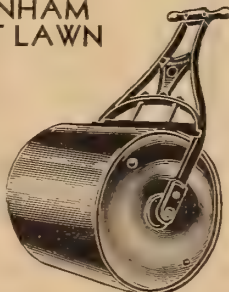


Equipped with demountable rubber tires

Self-Adjusting Ball Bearings in revolving cylinder guaranteed for the life of the mower. Drive wheels 10½ inches in diameter, open type. Geared on both sides with reciprocating pawl ratchets. Cutter bar special design raised edge tool steel hardened and tempered in oil. Height of cut, ¾-inch to 1¼-inch. Seven blades, high speed tool steel, hardened and tempered self-sharpening. Sizes: 16-inch, \$12.00; 18-inch, \$13.50.

GENUINE DUNHAM WATER-WEIGHT LAWN ROLLERS

Water Ballast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, non-rust shut water entrance. The most efficient and easiest running roller made. Weighs 50% more when filled with sand. Water is more convenient.



No.	Diam. in.	Length in.	Sec-tions	Wt., empty	Filled water	Price
WB5.....	18	24	1	85	265	\$13.50
WB7.....	24	24	1	110	420	15.50
WB9.....	24	32	1	130	565	18.50

Dunham rollers with plain bearings slightly lighter than the roller-bearing rollers.

No.	Diam. in.	Length in.	Sec-tions	Wt., empty	Filled	Price
WB2.....	14	24	1	68	175	\$ 9.50
WB4.....	18	24	1	82	265	11.50

WB1 for miniature golf courses; diam. 14 in.; width, 15 in.; wt. empty, 45 lbs.; filled with water, 115 lbs. Price, \$8.25.

Write us for price and leaflet on Dunham Water-weight Horse and Tractor Rollers.

THE GENUINE PHILADELPHIA MOWERS

QUALITY LEADERS SINCE 1869

Present special mowers for the estate, Yard Man, Home Man, Janitor, chrome steel bed knife held by screws, extra heavy pinions, double riveted spreaders, perfect adjustment.

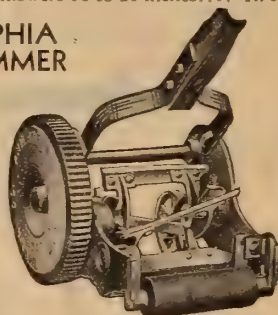
Style K. For estates and larger lawns. 10 inch roller bearing 5 blade, perfect in every detail. 16 inch cut, \$14.95; 18 inch cut, \$15.75; 20 inch cut, \$16.50.

Perfection Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering.

No.	Each
301 Adjustable to mowers 12 to 16 inches.....	\$1.45
306 Adjustable to mowers 16 to 20 inches.....	1.75

PHILADELPHIA LAWN TRIMMER

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. Price, each \$7.50, complete.



KNEE PADS

All rubber cushion fits any knee, will not slip down when walking. Pair, \$1.60.

Carborundum Brand Lawn Mower Sharpener.

The sharpening side is faced with a sheet of fast cutting aloxite brand cloth which quickly, easily, cuts a keen edge on mower blades. Is made in two sizes: No. 41 for mower blades 12 to 15 inches wide. No. 42 for mowers having blades 16 inches and wider. No tools are needed, no removing of wheels, no reversing gears. Price, No. 41, 60c; No. 42, 75c; by mail add 10c for postage.



Berghman Lawn Mower Sharpener.

A high-grade durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.00.

LAWN EDGER. No. 2 Planet Jr. Grass Edger. A handy tool to keep your lawn edges well trimmed. Price, \$1.85.



ORNAMENTAL LAWN FANS

Most popular, and inexpensive. Are most substantially built and painted with good white paint. No. 106—Height 69 in. Spread 45 in. Price each, \$1.20. No. 108—Height 94 in. Spread 60 in. Price each, \$1.60. (No. 106 may be shipped parcel post.)



FOLDING TRELLIS OR FENCE ITEMS

These three numbers are suitable for mounting on porches, also used extensively for fence—and may be extended to produce a fence any height from 10 in. to 60 in. Securely fastened at every intersection and painted white with high grade linseed oil paint. Popular for parkings and flower beds.

No. 1—Ht., folded 34 in. Extends to 8 ft..Ea., \$1.30
No. 2—Ht., folded 46 in. Extends to 12 ft..Ea., 1.75
No. 3—Ht., folded 70 in. Extends to 16 ft..Ea., 2.60

"SAVO" SELF-WATERING FLOWER BOXES



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum or green.

	Height	Width	Length	Price
Model A,	8 inches,	8 inches,	23 inches,	\$3.00
Model B,	8 inches,	9½ inches,	29 inches,	3.50
Model C,	8 inches,	9½ inches,	35 inches,	4.00
Model D,	8 inches,	9½ inches,	41 inches,	4.50
Model E,	8 inches,	12 inches,	41 inches,	2.50
Model F,	12 inches,	12 inches,	12 inches,	3.00

"SUCCESS" PORCH BOXES (Model D)

Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green. 8-in. deep, 11-in. wide. 8-in. deep, 12-in. wide. No. Length Price No. Length Price
23.....42-in.....\$5.35 25.....60-in.....\$7.25
24.....48-in..... 5.95

We supply all plants for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, 40c; bushel, \$1.25; barrel, \$3.00.

Let us advise you in your selection of plants.

We can please you and save you money.



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i.e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Length	Width	Depth	Price
24-in.....	8½ in.....	6¼ in.....	\$1.45
30-in.....	8½ in.....	6¼ in.....	1.85
36-in.....	8½ in.....	6¼ in.....	2.65
42-in.....	8½ in.....	6¼ in.....	3.25

SPRALITE SPRINKLER

A splendid sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, 75c; by mail, 85c.



BASKETS—Wire, Hanging. Each, 6-in., 20c; 8-in., 25c; 10-in., 30c; 12-in., 35c; 14-in., 45c; 16-in., 65c.

Quality Garden Tools

EXPERIENCED gardeners know that the long life and dependable service of a tool of good quality makes it far less expensive in the long run than inferior tools, which are unsatisfactory in use, cause delays when they break, and must often be replaced.

HAND PRUNING SHEARS

Illustrated to the right

- No. 1—Ladies' 6-Inch Nickel Plated, each, \$1.50.
 No. 2—Henckel Steel, imported, full polished, 7½-inch with ratchet, each \$3.50.
 No. 3—Same as No. 2, 8½-inch, each, \$4.00.
 No. 4—Same as No. 2, 9½-inch, each, \$4.50.
 No. 5—California Pattern, Henckel Steel, imported, with brass spring and ratchet, 8½-inch, each, \$4.25.
 No. 6—American Made, full polished, 9-inch with ratchet, each \$1.50.
 No. 7—American Made, full polished, brass spring, 9-inch with ratchet, each \$1.75.

CUT FLOWER SHEARS

- No. 8—Flower Gatherer, holds cut stem, large size, each, 75c.
 No. 9—Flower Gatherer, holds cut stem, nickel plated, each, \$2.00.
 No. 10—Vine Scissors, each, \$1.50. No. 11—Snap Cut Pruner, each, \$1.50.
 No. 12—Tin or Wire Snips, ea, \$1.50. No. 13—Flower or Wire Scissors, \$1.50.
 No. 14—Dental Snips, each, \$1.50.

TREE AND HEDGE PRUNERS

- No. 21—Waters Tree Pruner, 6-foot pole, each, \$1.95.
 No. 21A—Same as No. 21, 8-foot pole, each, \$2.25.
 No. 21B—Same as No. 21, 10-foot pole, each, \$2.45.
 No. 21C—Same as No. 21, 12-foot pole, each, \$2.65.
 No. 22—Bartlett Tree Pruner, 12 foot, three 4-foot poles jointed, complete each, \$7.00.
 No. 23—American Made Hedge Shears with pruning notch, best quality, 8-inch, each, \$1.45.
 No. 23A—Same as No. 23, 9-inch, each, \$1.60.
 No. 23B—Same as No. 23, 10-inch, each, \$1.75.
 No. 24—Ladies' Hedge Shears, each, \$1.75.
 No. 25—Imported English Hedge Shears with pruning notch, 8-inch, each, \$2.85.
 No. 25A—Same as No. 25, 9-inch, each, \$3.00.
 No. 25B—Same as No. 25, 10-inch, each, \$3.25.
 No. 26—Disston All Steel Pruner, wood handles, 26 inches over all, each, \$3.25.
 No. 27—Double Cut Brush Pruner, 30-inch, \$3.00.
 No. 28—Buckeye Pruner, 20-inch handles, \$1.85.
 No. 28A—Same as No. 28, 26-inch handles, \$2.25.
 No. 29—Clyde Draw Cut Pruner, 24-inch handles, each, \$3.50.

SAWS

- No. 31—California Pole Pruner, each, \$2.50.
 No. 32—Utility Speed Pruner, length 26 in., \$2.95.
 No. 33—California Hand Pruner, adjustable blade, each, \$2.25.
 No. 34—Forester Pruner, makes heavy pruning easy, 26 inch blade, each, \$1.95.
 No. 35—Double Pruning Saw, 16 inch blade. \$1.60.
 No. 35A— " " " 18 " " \$1.75.
 No. 35B— " " " 20 " " \$1.90.
 No. 36—Tuttle Tooth Pruner, length 20 in., \$2.95.

PLANTING AND CULTIVATING TOOLS

- No. 41—Youths' and Ladies' Garden Set complete, rake, spade and hoe, \$1.50.
 No. 42—Long Handled Weeder, each, \$1.00.
 No. 43—Wonder Weeder, each, 85c.
 No. 44—Eureka Weeder, short handle, each, 60c.
 No. 45—Eureka Weeder, long handle, each, 70c.
 No. 46—Cultivator, each, 45c.
 No. 47—Lang's Weeder, each, 25c.
 No. 48—Asparagus Knife or Dandelion Digger, straight edge, each, 45c.
 No. 49—Asparagus Knife or Dandelion Digger, notched edge, each, 45c.
 No. 50—Excelsior Weeder, each, 15c.
 No. 51A—Imported English Fork, maple handle, each, 95c.

- No. 51B—Imported English Trowel, maple handle, each, 95c.
 No. 51C—Imported English Fork, maple handle, each, 75c.
 No. 51D—Imported English Trowel, maple handle, each, 80c.
 No. 52—Transplanting Trowel, each, 25c.

- No. 53—Polished Garden Trowel, each, 35c.
 No. 54—Imported Steel Trowel, wood handle, each, 75c.
 No. 55—Ladies' True Temper Trowel, each, 75c.
 No. 56—All Steel One-Piece Trowel with wood handle, each, 90c.
 No. 57—Forged Steel Shank Trowel, each, 95c.

THERMOMETERS

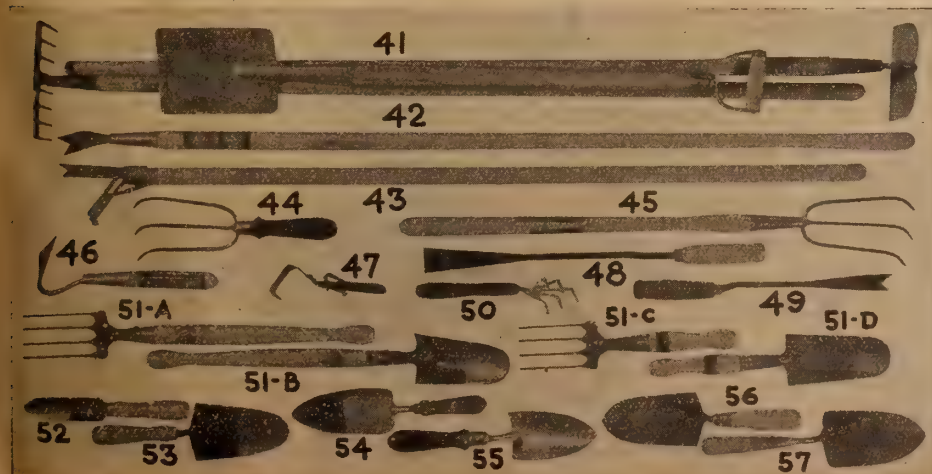
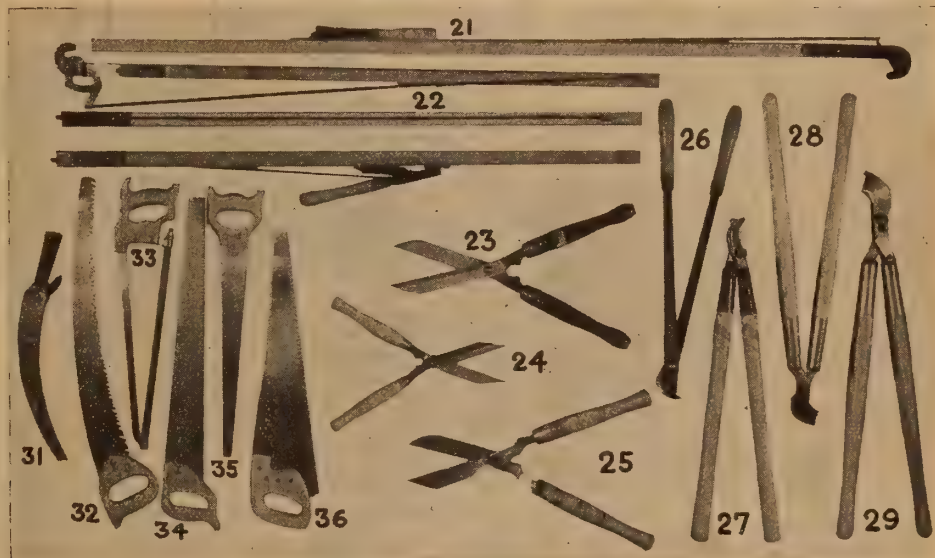


Standard



Hotbed

- THERMOMETERS.** Tin Case. 8-in. 50c.
 Cabinet. Wood case, 75c; 3 for \$2.00.
 Hotbed. Brass point, wooden frame, \$2.75.
 Self-Registering. With magnet to set it, 8-inch, each, \$6.50; registers highest and lowest temperature.
 Minimum. For registering cold, \$2.50.
 Tin Case. Standard grade, tested. 8-inch, each, \$1.50.
 White Porcelain Enameled with red spirit tube easy to read. Each, 60c.
 Thermometers shipped by parcel post at purchaser's risk only.
 VASE. Cemetery. Earthen, green, 10-inch, sharp point, each, 45c; 3 for \$1.25. Shipped by parcel post at purchaser's risk only.



Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

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NEW HANDY SEEDER

This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 50c postpaid.



SOWRITE SEEDS SOWER MODEL B

SOWS SEEDS AT A TOUCH

SOWRITE Model 1923. Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually; prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, 50c, postpaid.



ASBESTOS TORCH

Practical for burning caterpillars, worms and other tree pests. It is a black lined ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. Each 50c.



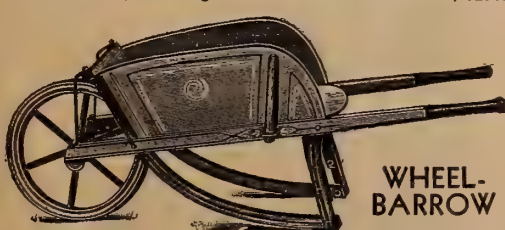
MASTERS RAPID PLANT SETTERS

For transplanting all kinds of plants—Cabbage, Tomato, Cauliflower, Peppers, Asters, Chrysanthemum and similar plants. Each plant is set, watered and covered in one operation without stooping and without lame backs. This setter is a labor saver and does perfect work. Fully guaranteed. Price, \$5.50 each.



SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$2.45

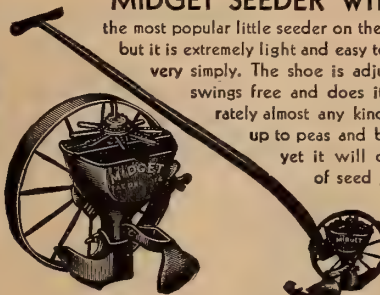


WHEELBARROW

WHEELBARROW—Globe Garden. The best in design, material and workmanship for the class of trade who desire the best. 2 1/2 inch tire which permits easy wheeling of heavy loads. Price, \$6.95.

MIDGET SEEDER WITH HANDLE

The most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the coverer swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 4 1/2-foot handle. Full directions attached to every Seeder.



Price \$4.50

Basket-Making Materials

On all following Basketry materials, add postage to your order if to go by parcel post.

Raffia Fibre for Baskets, Etc.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

	Bunch	5 lb. Lots, per lb.
Natural, Best Grade, about 2 oz.....	\$0.15	\$0.40
Colored, about 1 oz.....	.15	.80
Needles, for Raffia work, per package.....		.15

Basket Books

Couch's Basket Pioneering. A popular handbook containing concise basketry directions with clear simple diagrams designed for the beginner as well as the more experienced basket maker. Profusely illustrated. 172 pages 6 x 9 inches, cloth cover, \$1.25. Postage, 10c additional.

Basket Bottoms

Veneered Basket Bottoms for Reed weaving. Made exceptionally well of 3 and 5-ply panels. Well sanded and holes properly bored to fit uprights.

	Each	Doz.		Each	Doz.
3-inch Round.....	\$0.06	\$0.65	8x14-inch Oval.....	\$0.32	\$3.70
4-inch Round.....	.08	.90	10x16-inch Oval.....	.38	4.40
5-inch Round.....	.10	1.10	12x20-inch Oval.....	.60	6.95
6-inch Round.....	.12	1.35	3-inch Square.....	.06	.65
8-inch Round.....	.17	1.95	5-inch Square.....	.10	1.10
10-inch Round.....	.25	2.85	6-inch Square.....	.12	1.35
12-inch Round.....	.30	3.40	8-inch Square.....	.17	1.95
3x6-inch Oval.....	.12	1.35	10-inch Square.....	.25	2.85
4x8-inch Oval.....	.18	2.05	12-inch Square.....	.30	3.40
6x10-inch Oval.....	.25	2.85			

Reeds White Prime the Best Quality

Reed is found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

All below numbers, per bunch, 15c.

A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.											
		5-lb. Lots		5-lb. Lots				5-lb. Lots		5-lb. Lots	
		1/2-lb.		Lb. Per Lb.				1/2-lb.		Lb. Per Lb.	
No. 1.....		\$0.50	\$0.90	\$0.85		No. 6.....	\$0.30	\$0.55	\$0.50		
No. 2.....		.45	.85	.80		No. 7.....	.28	.50	.48		
No. 3.....		.40	.75	.70		Flat Reed, 3/8-inch	.38	.70	.65		
No. 4.....		.35	.65	.60		Split Reed, No. 6	.38	.70	.65		
No. 5.....		.33	.60	.55							

Vaughan's Seed Store

GREENHOUSES AND NURSERIES,
WESTERN SPRINGS, ILL.GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGOCHICAGO LOOP STORE
10-12 W. RANDOLPH ST.

How to Order

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

Early Orders Kindly send in your order as soon as convenient after receiving catalogue. Our rush season comes in the months of March and April. Orders received earliest secure the promptest shipment and from our complete stocks.

Order Sheets Use the order sheets accompanying this catalogue. One for **Seeds, Bulbs and Garden Sundries**, the other for **Trees, Plants and other Nursery Stock**. Please fill in all particulars carefully and distinctly with your **Zone Number** and keep a copy of your order.

Seed and Bulb Orders should have the quantity required written distinctly in the column provided, and with prices attached. Flower Seeds may be ordered by name, or by the marginal number.

Plant and Tree Orders should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the prices carried out. No plants, trees or shrubs sent C. O. D.

C. O. D. Orders. Owing to the extra cost of collecting we will not fill any C. O. D. mail order for less than \$5.00. We do not prepay any C. O. D. orders and will not ship plants, trees, shrubs or other perishable goods C. O. D.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Order Trees, Shrubs and Hardy Vines, if possible, before end of March—it gives us more time for selecting, packing and shipping when the planting season opens. Early orders receive first attention.

All Trees Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

Parcel Post **Fourth Class Mail** Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (that are non-poisonous), odorless fertilizers and requisites may be forwarded by domestic parcel post within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give available weights throughout the catalogue.

PLEASE MARK ZONE NUMBER in the space provided on the top right-hand corner of all orders which you send to us.

Express Shipments General orders for garden seeds, where peas, beans and corn form a large proportion, are best sent this way. Orders over **FIVE POUNDS** (5 lbs.) weight going to 5th Zone and beyond, will travel cheaper by express than by parcel post.

Send Remittance by New York or Chicago draft, registered letters or postoffice or express money orders. **DO NOT SEND LOOSE CURRENCY OR STAMPS IN LETTER, UNLESS REGISTERED.** Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. Make money orders payable to "Vaughan's Seed Store." (Mark your Zone Number on order).

Free Delivery Outside the Chicago Area.

All flower seeds prepaid.

All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs, and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense.

All Water Lilies by mail or express at buyer's expense.

All Roses shipped F. O. B. Western Springs, Ill.

All Trees and Shrubs, F. O. B. Western Springs, Ill.

All plants, perennial and annual, including Cannas, by express at buyer's expense, F. O. B. Western Springs, Ill.

All plant collections shipped by express at buyer's expense, F. O. B. Western Springs, Ill., except where it is specifically stated otherwise in the collection offered.

All tools and supplies, including insecticides and fertilizers (except as specified on page 105), are F. O. B. Chicago or New York and shipped at buyer's expense.

All lawn grass seed is prepaid to any part of the U. S. A.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Daily filling of seed orders is the Vaughan rule.

Free Delivery in Chicago Area

Except for fertilizer and other goods in quantities weighing more than 250 pounds, all orders amounting to \$1.00 or over (except from Cut Flower Dept., \$2.00) delivered free in Chicago and the following nearby towns:

Aurora	Elmhurst	La Grange	Posen
Batavia	Elmwood Park	La Grange Park	Ravinia
Bellwood	Evanston	Lake Bluff	River Forest
Bensonville	Forest Park	Lake Forest	River Grove
Berkley	Fort Sheridan	Lombard	Riverside
Berwyn	Franklin Park	Lyons	Roseland
Blue Island	Gary	Maywood	South Chicago
Broadview	Geneva	Melrose Park	South Holland
Brookfield	Glencoe	Midlothian	Specialville
Beverly Hills	Glen Ellyn	Mooseheart	St. Charles
Burnham	Hammond	Morgan Park	Tessville
Calumet City	Harvey	Naperville	Villa Park
Chicago Heights	Highland Park	Niles	Westchester
Cicero	Highwood	Niles Center	West Chicago
Congress Park	Hillside	North Riverside	Western Springs
Des Plaines	Hinsdale	Norwood Park	Westmont
Dolton	Hollywood	Oak Lawn	Wheaton
Downers Grove	Hubbard Woods	Oak Park	Whiting
Dunning	Indiana Harbor	Park Ridge	Winnetka
East Chicago	Jefferson Park	Phoenix	
Edison Park	Kenilworth	Portage Park	
Elgin	Kensington		

Gardeners Supplied

We usually have on our books names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

Our Terms Customers not having an account are requested to send Money Order or furnish reference. We prefer not to send C. O. D., but if wanted by that method, customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock and no order less than \$5.00 are sent C. O. D.

Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially for seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses,

disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some possible inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if we are immediately notified in case of any failure.

We wish it understood that all our stocks are sold under the following conditions:

VAUGHAN'S SEED STORE, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty express or implied as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible, at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

DOMESTIC PARCEL POST RATES		First pound or fraction	Each additional pound or fraction
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.			
Local—Chicago or New York City		7c.	1c (2lbs)
First and Second Zone within 150 miles of either		8c.	1 1c
Third Zone within 150 to 300 miles		9c.	2 9c.
Fourth Zone within 300 to 600 miles		10c.	3 5c.
Fifth Zone within 600 to 1000 miles		11c.	5 3c.
Sixth Zone within 1000 to 1400 miles		12c.	7c.
Seventh Zone within 1400 to 1800 miles		14c.	9c.
Eighth Zone all over 1800 miles		15c.	11c.
Canada		14c.	11c.

NOTE.—A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones, 70 pounds; to Canada, 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. (Mark your Zone Number on order).

Special Combination Offers

\$3 in { Vegetable and Flower Packets } for **\$2⁵⁰**

For CASH REMITTANCES received by us on or before April 1, 1937, for vegetable and flower seeds in packets, including ounces and fractions of ounces, but not including seeds by weight larger than ounces, you may select packets according to the following schedule:

For \$2.50, packets of value totaling \$3.00 For \$5, packets of value totaling \$6.00
 For \$3.00, packets of value totaling \$3.60 For \$6, packets of value totaling \$7.20
 For \$4.00, packets of value totaling \$4.80 For \$7, packets of value totaling \$8.40
 For \$8, packets of value totaling \$9.60

THIS offer is limited definitely to vegetable and flower seeds in packets, including ounces and fractions of ounces, but not including seeds by weight larger than ounces, and not including any other items listed in this catalog. It is also limited to orders received by us on or before April 1, 1937.

The extra seeds must be listed in original order; no allowance can be made subsequently for failure to include them.

To take advantage of this combination offer your order for packet seeds must amount to \$2.50 or over, without including any other items. If your list totals less than \$2.50, combine it with a neighbor's order to obtain the combination price. The combined order must be shipped in one parcel, to one address.

Vaughan's True Floral Perfumes and Colognes

INTRODUCED only two short years ago, these perfumes and colognes are today the world's leading line of True Floral Odors. This position of leadership has been won solely on the basis of merit. On the recommendation of those who have used it, orders have come to us without solicitation from points as far distant as the Philippines, England, France, Honolulu, Alaska, etc.

We welcome direct comparison with the actual flower as a test of the accuracy of our reproductions. All perfumes and colognes are full strength and properly aged, both essential to quality. While cologne contains only one-eighth the oil used in perfume, many women use it in the bath, or wherever a refreshing perfumed lotion is wanted.



Following Odors are Available in Either Perfume or Cologne

Arbutus: The true fragrance captured for the first time in any perfume.

Bouquet S: A rich combination of floral odors — not too sweet.

Carnation: The true old fashioned flower.

Frangipanni: A perfect reproduction of a tropical flower that many consider the loveliest fragrance of all.

Gardenia: Just like the flower.

Heliotrope: True sweetness of the Heliotrope.

Jasmine: Rich as the real flower.

Lavender: The well-known English Lavender.

Lilac: True Lilac after a rain. Our leading odor.

Rose: We have three: Wild Rose, a light delicate odor like a hedgerow in June; White Rose, medium rich and soft, and Red Rose, the true rich fragrance of the old Damask Rose.

Rose Geranium: As fresh and spicy as the original.

Sandalwood: An old favorite.

Sweet Clover: Like a breeze over a clover field — favorite with thousands.

Sweet Pea: The exact fragrance of the old-fashioned Spencers.

Ten Weeks Stocks: The world's first reproduction of this lovely fragrant flower.

Violet: Not the heavy, cloying Parma type but the true light Wood violet, fresher and cleaner in odor.

Perfume Prices

1 dram.....	\$0.50
2 drams.....	.90
½ ounce.....	1.60
1 ounce.....	3.00

Cologne Prices

1 oz. (trial size)	\$0.25
4 oz.....	.60
½ pint.....	1.10
1 pint.....	2.00

These prices postpaid to any point in the United States. Prices are based on plain containers.

• • *Eight Early Flowering Double* • • **Chrysanthemums** • • • **\$1.90**

Prepaid 300 miles. Catalog Value \$2.40.

These eight varieties have been chosen from extensive trials conducted in our grounds at Western Springs, Ill., as the hardiest, earliest, most free-flowering varieties for that section. Beginning to blossom in the early autumn, they continue until the freeze-up, giving a final glorious display of color in your garden.

AMELIA. Also called Pink Cushion and Azalea-like mum. Very dwarf type. Medium size double light pink blooms.

FLASHLIGHT. 1934 Introduction. One of the first to bloom. Large mahogany brown aster-like blooms.

GLOMERO. 1935 Introduction. Bright bronzy yellow medium size double blooms.

GRANNIE SCOVILL. 1934 Introduction. Very large fluffy flowers of warm coral-bronze.

JEWELL. Large full button pompom of dark lavender pink.

RUTH CUMMINGS. Double aster-like blooms. Bronzy terra-cotta shade.

SEPTEMBER QUEEN. 1934 Introduction. Semi-dwarf growth. Fluffy double white flowers borne early and profusely.

WOLVERINE. One of the earliest. Large full double lemon yellow blooms.

Any of Above 30c Each or Complete Collection of 8 Plants \$1.90 Postpaid, 300 Miles.

Six New Korean Mums \$1.60

Six Plants, all different, our selection, of the varieties listed below.

Any of these varieties, Each, 35c: set of 11 for \$3.10

Prepaid 300 Miles

These are the 1936 introductions of this new race of hardy mums. They are earlier, freer flowering, of more vivid coloring, than the first Koreans to be offered. Tests in our trials at Western Springs, Ill., have proved they give a long period of bloom in this section of early frost. The daisy-like flowers are so abundant as to cover the plants.

ARCTURUS. Massive amber yellow blooms, faint carmine suffusion.

CLIO. Dwarf type. Carmine rose duplex flowers.

FORTUNA. Large ox-blood red flowers.

HESTIA. Big rose pink blossoms, faint white halo.

JUNO. Dwarf. Coppery red fading to salmon.

NIOBE. Compact grower. Glistening white.

NYSA. Tall. Large rosy lilac flowers.

PYSCHÉ. Graceful formation. Shell pink blooms often 4-inch diameter.

SAPPHO. Compact and bushy. Bright yellow.

VESTA. Showy deep orange blooms.

VOLCAN. Glowing carmine red. Profuse bloomer.

For other Hardy Garden Chrysanthemums see page 88, also inside back cover.



New Korean Hybrid Psyche. Each, 35c.

Newest 1937 Koreans

Each, 50c; set of 12 for \$5.00

APPEAL. Blush white in great profusion.

APHRODITE. Delicate pink blossoms tinted ivory, 3 inches diameter. Profuse bloomer.

FAIRY. Dainty delicate rose with white halo.

FIREFLAME. Deep blood red with carmine suffusion.

HAPPINESS. Unique color. Rosy apricot fading to pale pink.

ORANGE WONDER. Vigorous, dark coppery orange.

ROSAMUND. Duplex or semi-double petals. Pale violet rose.

SATURN. Sparkling orange bronze, thin halo of light orange.

SEQUOIA. Duplex type. Distinctive amber shade.

STELLARIS. Vigorous graceful buttercup yellow.

SULTAN. Dwarf and free blooming, fine rosy salmon.

VENUS. Bright, attractive lilac pink with rose lavender shading.

1935 Koreans

25c Each or Set of 7 for \$1.60

APOLLO. Bronze red and gold, suffused salmon.

CERES. Old gold tinted chamois and copper.

DAPHNE. Bright pink suffused lilac rose.

DIANA. Rose pink mixed with soft salmon.

HEBE. Lovely luminous pink.

MARS. Velvety wine red.

MERCURY. Bright bronze red.

Outstanding New Varieties for 1937

One Each of Below 7 Varieties \$3.50. Postpaid 300 Miles.

CYDONIA. Brilliant and attractive double orange mahogany. Each 50c.

ELEGANCE. Large single blooms of violet tyrian rose. Each 50c.

EMBER. Extra hardy variety, blooming mid-October. Glowing brilliant shades of coral, orange and bronze. Each 75c.

INDIAN SUMMER. Double and shaggy blooms of rich dark orange about Oct. 15. Very hardy and free blooming. Each 50c.

KING MIDAS. Large double, soft yellow flowers in amazing profusion from mid-September onwards. A splendid new hardy variety. Each 75c.

ROMANY. Rich glowing red with carmine and bronze tones. Full double, blooming by Oct. 10. Each 50c.

THE MOOR. Full double Amaranth or wine red, flowers 3 inches diameter, in late September. Each 75c.

Pinch Back Your Mums

To make garden chrysanthemums bushy, covered with flowers, pinch off the tops of all stems twice before they attain the height of 10 inches. After the ground freezes give a liberal covering of hay, straw or leaves, to prevent premature thawing out during the winter and early spring.

Twelve Distinguished Perennials \$3²⁵

Catalog Value \$4.50 - - - - -

ANTHEMIS SANCTI JOHANNIS. A new hardy marguerite from South Eastern Europe. Deep orange, daisy flowers, large and plentiful. 3 for \$1.25.

CARNATION CRIMSON KING. The finest hardy carnation blooming practically all summer and fall. Rich ruby red flowers on stout stems, true carnation fragrance. Blooms are very double, often two inches diameter. 3 for 85c.

OREOPSIS GOLDEN GIANT. Large lemon yellow flowers on strong stems, blooming a long time. Sweet-scented and a great improvement over the ordinary variety. 3 for \$1.00.

UPATORIUM COELESTINUM (Hardy Blue Ageratum). We have developed an early flowering type which comes into bloom ten days earlier. Bushy and free flowering. 3 for 85c.

No. 119A. Two each of above Noteworthy Perennials (24 plants) by Express \$6.00

CHRYSANTHEMUM MILLEFOLIATUM. A new yellow daisy with very aromatic, dainty fern-like foliage. Blooms in summer with 10-inch stems. A fine variety for cutting. 3 for \$1.00.

CHRYSANTHEMUM SUPREME. A Shasta Daisy of outstanding merit. Low, bushy foliage, strong, medium height stems with very large flowers. Blooms freely. 3 for \$1.00.

GYPSOPHILA BRISTOL FAIRY. The true double Baby's Breath; will not come from seed. All our plants are 2-year grafted. Valuable for bouquets. 3 for \$1.50.

POPPY MRS. PERRY. Delicate, salmon-rose blooms with black blotches. Very showy. 3 for \$1.00.

SCABIOSA CAUCASICA HOUSE'S HYBRIDS. One of the best cut flowers. Pale blue and lavender, graceful and showy. Blooms all summer. 3 for \$1.00.

TRITOMA PFITZERI (Red Hot Poker). Spear-shaped flowers of flaming red and orange. In bloom from late Aug. till frost, needs slight winter protection. 3 for 85c.

TROLLIUS NEW HYBRIDS. Globe shaped yellow and orange flowers and finely cut foliage. One of the choicest garden plants. Flowers in June and again in fall. 3 for \$1.25.

VIOLA JERSEY GEM. Thrives in full sun or shade. Compact growth, blooming almost steadily from May till frost. Deep purplish violet flowers having a slight perfume. 3 for 85c.

Eight Perennials for Shade \$2

Catalog Value \$2.75—(8 Plants)

VARIETIES INCLUDED

ANCHUSA MYOSOTIDIFLORA (The Forget-me-not Anchusa). 1 ft. April-May. It forms a mound of attractive foliage almost hidden by pale blue forget-me-not blooms. 3 for 85c.

DIANTHA SPECTABILIS (Bleeding Heart). Fern-like foliage and long racemes of heart-shaped pink flowers in May and June. 3 for \$1.25.

LILY PLOID SUBCORDATA (Plaintain Lily). Large and ornamental green leaves. In August, many white flowers with the perfume of lilies. 3 for \$1.00.

OSTIA VARIEGATA. Foliage variegated, green and light yellow. Lavender spikes of bloom in August. A very showy plant of neat and compact growth. 3 for \$1.00.

PRIMULA VERIS KLEYNII. Hybrid of the well known English primrose. Heads of 10 to 20 large florets of rich golden yellow shaded apricot towards center. 3 for \$1.00.

SEDUM SIEBOLDII. Very beautiful. Forms a circle of trailing stems. Round silvery grey foliage, pink flowers in September. 3 for 85c.

VINCA MINOR BOWLES VARIETY (Grave Myrtle). A new improved type. Larger and glossier foliage. Bright periwinkle blue flowers. 3 for 85c.

VIOLET ROSINA. A unique hardy pink violet of great fragrance and hardiness. Rose-pink flowers in profusion, spring and fall. 3 for \$1.00.

No. 119B. Three of each (24 plants) by Express - - - \$5.25

Six New and Colorful Phlox \$1⁷⁵

Catalog Value \$2.25

VARIETIES INCLUDED

BORDER QUEEN. Dwarf with massive heads of watermelon pink. 3 for \$1.50.

FEUERBRAND (Fireglow). Bright scarlet, large trusses. Tall. 3 for \$1.25.

MISS MILLY VON HOBOKEN. Bright pink, faint mauve suffusion. 3 for \$1.00.

PAINTED LADY. Soft silvery pink with dark red eye. 3 for 85c.

RHEINLANDER. Salmon-pink with distinct claret-red eye. 3 for 85c.

LEO SCHLAGETER. Most vivid orange scarlet. Large blooms. Good foliage. 3 for \$1.50.

No. 119C. Two each of above Phlox - - \$3.20

All Offers on this Page, F. O. B. Western Springs, Ill, Shipped by Express, Collect Unless Postage is Sent With Order. See approximate Parcel Post charges on page 116.

SURPRISE PLANT COLLECTIONS

TOWARDS the close of our spring shipping season we have a surplus in many varieties of plants. Generally we dispose of them to wholesale customers, but this year we are offering the following bargains, shipment to be made at the close of our regular shipping season, May 1 to June 1, and selection of varieties to be left with us. We guarantee these Surprise Collections to contain a good selection of varieties at about half our regular price. All varieties are labeled. All Surprise Collections are priced F.O.B. Western Springs, Ill. Orders of not more than 12 plants may be shipped by parcel post, for which postage should be enclosed. Average shipping weight for 12 plants or less, 5 pounds. Orders for more than 12 plants must be shipped by express, at buyer's expense.

Shady Border Collection

A valuable assortment of 25 hardy Perennials which thrive in partial to almost total shade. We include Aquilegias, Funkias, Lythrum, Monarda, Polemonium, Violas and other good varieties to brighten shady spot. 12 different varieties in every collection, each carefully labeled.

No. 119D. "SHADY BORDER" Perennial Collection, 25 plants, our selection of varieties, for \$3.75.

Cut Flower Collection

Lovers of cut flowers can depend on our careful selection in this collection of 25 Perennials for cut flowers. We include Achillea, Aster, Delphinium, Pyrethrum, Shasta Daisy, Veronica and other good cut flower varieties. All carefully labeled and at least 15 different varieties.

No. 119E. "CUT FLOWER" Perennial Collection, 25 plants, our selection of varieties, for \$4.00.

SURPRISE PERENNIALS

6 for \$1.00; 12 for \$1.90; 25 for \$3.60

SURPRISE ROCK PLANTS

6 for \$1.00; 12 for \$1.90; 25 for \$3.60

SURPRISE HARDY PHLOX

4 plants, all different, \$1.00; 12, no less than 6 varieties, \$2.50.

Vaughan's Rainbow Collections

2 Tropical Water Lilies \$3⁵⁰

CATALOG VALUE \$5.00—PREPAID 600 MILES

Varieties Included in This Offer: Panama-Pacific (each \$2) and Mrs. W. R. James (each \$3). See Descriptions below.

PLANT A CAREFREE GARDEN—WITH WATER LILIES

To many, Water Lilies seem delicate, exotic flowers that demand lavish care to tempt them to yield their gorgeous blooms. Nothing could be farther from the truth, for no garden needs less care than does a Lily pool. Water Lilies survived the extreme droughts of 1934 and 1936 better than any other single group of plants. On the other hand, the heaviest rains do not harm them. They are insect-free, and diseases do not affect them. And perhaps the loveliest flowers of all—the Jewels of the Garden—are found in the garden pool.

Tender or Tropical Lilies

While they cannot be set out until after June 1 (around Chicago and New York) they make up for lost time by producing more flowers than the hardies, and these are as large as 14 inches across. Daybloomers are open from 10 A. M. until sunset, when the nightbloomers open and remain until 10 A. M. the next day.

PINK

GENERAL PERSHING: Daybloomer. A bright warm pink considered the best in its class. \$2.00 each.

PINK PEARL: Daybloomer. Produces more flowers than Pershing, slightly lighter in tone, fully as good. \$2.50 each.

MRS. W. R. JAMES: Daybloomer. We sold out of this marvelous lily two years ago. Again available. More brilliant flowers than Pershing, otherwise equal in every respect. \$3.00 each.

BISSET: The only satisfactory pink night-bloomer. Enormous flowers of exquisite pure rose. \$2.00 each.

LAVENDER, BLUE AND PURPLE

AUGUST KOCH: Cerulean blue with lavender-rose overtones. One of the best of all lilies. Daybloomer. \$1.75 each.

BLUE BEAUTY: The best true-blue day-bloomer. Twelve-inch flowers. \$2.00 each.

PANAMA PACIFIC: Slightly darker than August Koch. Hundreds of customers have told us that this is by far the most satisfactory tropical water lily they have. Daybloomer. \$2.00 each.

FRANCIS B. GRIFFITH: Thousands of people exclaimed at the beauty of this deep, rich purple daybloomer at the Cleveland Horticultural Building last summer. Experts have pronounced it the finest of all deep purples. No other novelty can compare with this. \$3.00 each.

WHITE

JUNO (Dentata Superba): Nightbloomer. The most gorgeous of all white water lilies. Flowers as large as 14" across of a glistening white will perfume the whole garden on warm nights. \$2.00 each.

YELLOW

See Sunrise, under hardy lilies.

Water Lily Prices are F.O.B. Chicago. Add 15c postage each for hardy lilies (3 for 30c) and 30c each (3 for 50c) for tropicals. We can supply any variety.

RED

GEORGE HUSTER: In our trials, only one red nightbloomer stood out as worthy of selection—this glorious wine-red variety with its 12" flowers. Heavy fragrance. \$2.00 each.

3 Hardy Water Lilies \$2⁶⁵

Catalog Value \$5.25; Prepaid 600 Miles

One each of James Brydon, best red (\$2.50); Chromatella, best yellow (\$1.25) and Paul Hariot, finest changeable (\$1.50). See descriptions below, and illustrations in color on opposite page.

Hardy Water Lilies

WHITE

These can be grown in cooler water than tropicals. They can be set out as early as April 1st, and bloom the first year. Plant as late as August 1st for an early start next year.

PINK

ROSE AREY: Clear cerise-pink with 8" flowers. Exquisite fragrance. No newer variety has ever excelled it. \$1.25 each.

RENE GERARD: Probably the most majestic of all. Deep old rose. \$2.00 each.

MARLIAC ROSE: The most satisfactory large rose-pink. Free-flowering and vigorous. \$1.25 each.

MORNING GLORY: While there are deeper pinks, none flowers more freely. \$1.25 each.

YELLOW

CHROMATELLA (Marliac Yellow): Every connoisseur treasures this, the best of all yellows, while the beginner finds that no other variety gives more flowers and stronger plants. Soft canary yellow blooms all summer long. \$1.25 each.

SUNRISE: Bears its flowers above water like the Tropical varieties, and blends perfectly with them. We recommend its use with tropicals as superior to the yellow tropicals in commerce. Huge soft yellow flowers. \$1.75 ea.

GONNERE: Even those who think white water lilies common exclaim over the loveliness of this huge white snowball. The finest white. Very double. \$2.00 each.

MARLIACEA ALBIDA: None of the newer whites can hope to equal this variety in freedom of bloom and vigor of growth. \$1.25 each.

RED

JAMES BRYDON: Ours is the true variety, considered the finest of all reds. Deep glowing rosy crimson. \$2.50 each.

GLORIOSA: Some say this is the world's finest water lily. Deep carmine rose. \$2.00 ea.

ATTRACTION: Eight inches across—opens garnet red, deepens to rich ruby. \$2.00 each.

CHANGEABLE TINTS

PAUL HARIOT: The finest changeable, opens yellowish-salmon and deepens to a rich apricot. \$1.50 each.

COMANCHE: Opens pinkish orange, deepens to copper. Flowers borne above water like a tropical. \$2.00 each.

MAKE YOUR OWN COLLECTION: Any two lilies deduct 10% from combined price—any three deduct 15%. Four or more, deduct 20%. This will enable you to make up your own collections and arrange colors to suit your own ideas.



PAUL HARIOT

CHROMATELLA

JAMES BRYDON

Three Hardy Water Lilies . . \$2⁶⁵

One root each of James Brydon, best red; Chromatella, the best yellow, and Paul Hariot, best of the changeable class, opening salmon, deepening to apricot. Catalog value \$5.25; prepaid 600 miles for \$2.65.



RUBRUM
Each, 20c; Doz., \$2.00



ELEGANS
Each, 20c; Doz., \$2.00



TENUIFOLIUM
Each, 20c; Doz., \$2.00



REGALE
Each, 15c; Doz., \$1.50



TIGRINUM SPLENDENS
Each, 15c; Doz., \$1.50

6 Hardy Garden Lilies \$1⁰⁰

Postpaid

One each of the 6 varieties illustrated: Rubrum, Elegans, Tenuifolium, Regale, Tigrinum Splendens, and Superbum, prepaid 600 miles for \$1.00.

These varieties are hardy, vigorous and lasting, true "flowers of the field" and if planted in a well drained location, in mellow soil, will grow and multiply, contributing to your garden picture for years.

Shipped at Your Proper Planting Time.

One Each Variety Separately Bagged and Labeled, Prepaid	\$ 1.00
Two Each Variety Separately Bagged and Labeled, Prepaid	1.90
Six Each Variety Separately Bagged and Labeled, Prepaid	5.25
Twelve Each Variety Separately Bagged and Labeled, Prepaid	10.00

See Hardy Lily Page for Descriptions of these Varieties.
and page 83 for seeds.



SUPERBUM
Each, 20c; Doz., \$2.00

Best Eight New Chrysanthemums \$2.50

Catalog value \$2.90. Prepaid to 600 miles.
 Selected from our trials of 32 new varieties as excelling in size,
 earliness, vivid coloring and vigor. One plant each of

1 Vesta - 35c	4 Donald - 35c	6 Lorelei - 35c
2 Provence - 35c	Wells - 45c	7 Hestia - 35c
3 Sappho - 35c	5 Brilliancy - 35c	8 Fortuna - 35c



This
 Appetizing
 Ear Is
**Earliest Golden
 Sweet**

Earliest, Sweetest,
 Yellow.
 Pkt., 10c; 1/2 lb., 25c;
 1 lb., 45c.

